

10/587,410

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	3	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	4	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	5	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS	6	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	7	AUG 27	USPATOLD now available on STN
NEWS	8	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	9	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	10	SEP 13	FORIS renamed to SOFIS
NEWS	11	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	12	SEP 17	CA/CAPplus enhanced with printed CA page images from 1967-1998
NEWS	13	SEP 17	CAPplus coverage extended to include traditional medicine patents
NEWS	14	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	15	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	16	OCT 19	BEILSTEIN updated with new compounds
NEWS	17	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	18	NOV 19	WPIX enhanced with XML display format
NEWS	19	NOV 30	ICSD reloaded with enhancements
NEWS	20	DEC 04	LINPADOCDB now available on STN
NEWS	21	DEC 14	BEILSTEIN pricing structure to change
NEWS	22	DEC 17	USPATOLD added to additional database clusters
NEWS	23	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	24	DEC 17	DGENE now includes more than 10 million sequences
NEWS	25	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	26	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS	27	DEC 17	CA/CAPplus enhanced with new custom IPC display formats
NEWS	28	DEC 17	STN Viewer enhanced with full-text patent content

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from USPATOLD

NEWS 29 JAN 02 STN pricing information for 2008 now available

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

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NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:58:22 ON 12 JAN 2008

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 15:58:36 ON 12 JAN 2008

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 11 JAN 2008 HIGHEST RN 960491-85-4

DICTIONARY FILE UPDATES: 11 JAN 2008 HIGHEST RN 960491-85-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

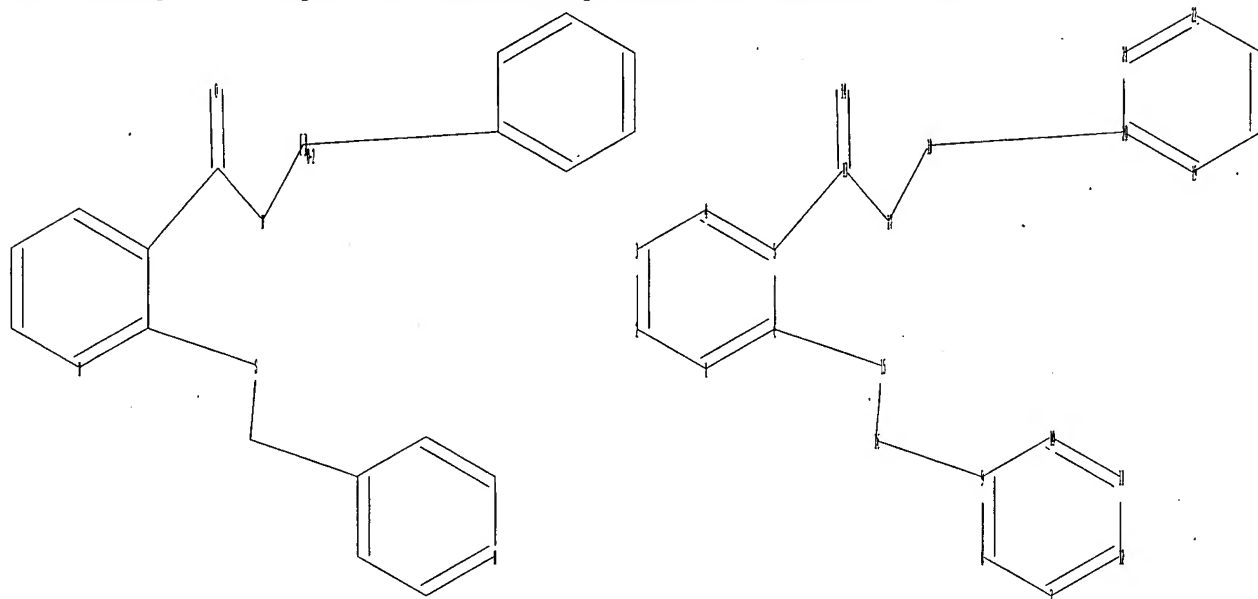
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10587410.str



chain nodes :

13 14 15 16 17 18

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 19 20 21 22 23 24

chain bonds :

5-13 6-15 9-16 13-14 13-17 15-16 17-18 18-20

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 19-20
19-24 20-21 21-22 22-23 23-24

exact/norm bonds :

6-15 13-14 13-17 15-16 17-18

exact bonds :

5-13 9-16 18-20

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 19-20
19-24 20-21 21-22 22-23 23-24

isolated ring systems :

containing 1 : 7 : 19 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom

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L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 15:58:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 48 TO ITERATE

100.0% PROCESSED 48 ITERATIONS 22 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 545 TO 1375
PROJECTED ANSWERS: 159 TO 721

L2 22 SEA SSS SAM L1

=> s l1 ful

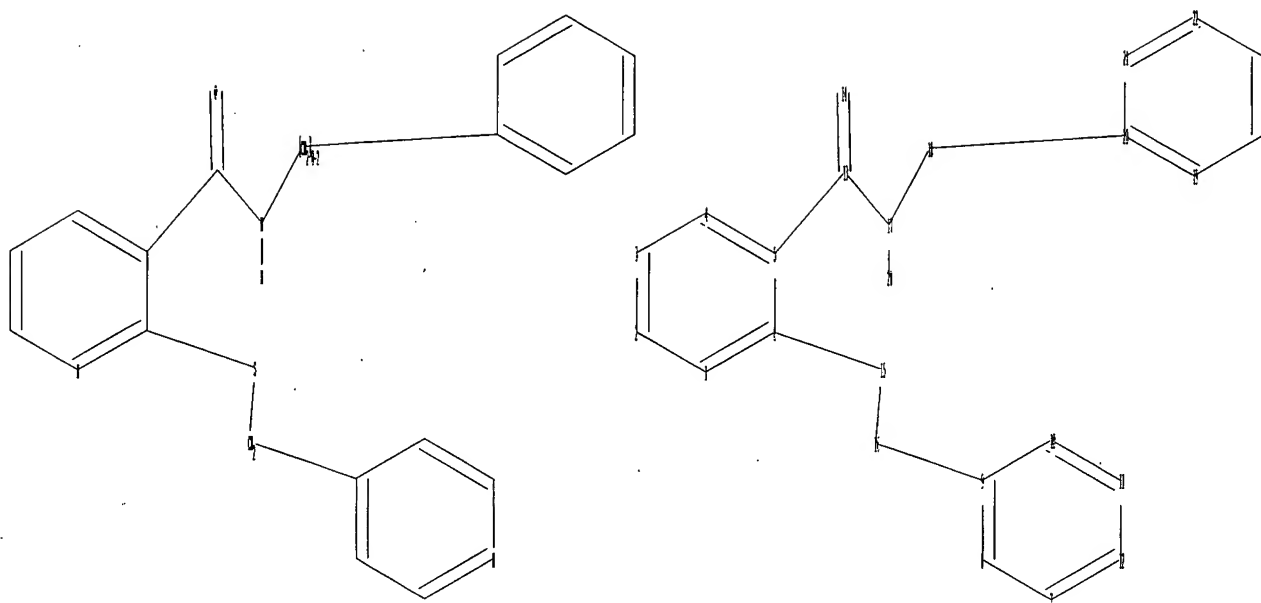
FULL SEARCH INITIATED 15:59:03 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 887 TO ITERATE

100.0% PROCESSED 887 ITERATIONS 467 ANSWERS
SEARCH TIME: 00.00.01

L3 467 SEA SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\105874101.str



chain nodes :

13 14 15 16 17 18 28

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 19 20 21 22 23 24

chain bonds :

5-13 6-15 9-16 13-14 13-17 15-16 17-18 17-28 18-20

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 19-20
19-24 20-21 21-22 22-23 23-24

exact/norm bonds :

6-15 13-14 13-17

exact bonds :

5-13 9-16 15-16 17-18 17-28 18-20

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 19-20
19-24 20-21 21-22 22-23 23-24

isolated ring systems :

containing 1 : 7 : 19 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 28:CLASS

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L4 STRUCTURE UPLOADED

=> s 14

SAMPLE SEARCH INITIATED 16:01:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 47 TO ITERATE

100.0% PROCESSED 47 ITERATIONS 22 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**

PROJECTED ITERATIONS: 529 TO 1351
PROJECTED ANSWERS: 159 TO 721

L5 22 SEA SSS SAM L4

=> s 14 ful

FULL SEARCH INITIATED 16:01:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 881 TO ITERATE

100.0% PROCESSED 881 ITERATIONS 457 ANSWERS
SEARCH TIME: 00.00.01

L6 457 SEA SSS FUL L4

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	358.10	358.31

FILE 'CAPLUS' ENTERED AT 16:01:41 ON 12 JAN 2008
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FILE COVERS 1907 - 12 Jan 2008 VOL 148 ISS 3
FILE LAST UPDATED: 11 Jan 2008 (20080111/ED)

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<http://www.cas.org/infopolicy.html>

=> s 16

L7 2 L6

=> s 13

L8 3 L3

=> dup rem 17 18

PROCESSING COMPLETED FOR L7

PROCESSING COMPLETED FOR L8

L9 3 DUP REM L7 L8 (2 DUPLICATES REMOVED)

=> d 19 ibib abs hitstr hitind 1-3

L9 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2005:1004711 CAPLUS

DOCUMENT NUMBER: 143:286294

TITLE: Preparation of (pyridin-4-ylalkylthio)pyridine derivatives for treatment of diseases in which angiogenesis participates

INVENTOR(S): Honda, Takahiro; Tajima, Hisashi; Kawashima, Kenji; Okamoto, Kazuyoshi; Yamamoto, Minoru; Inaba,

Takaaki;

Takeno, Yuriko

PATENT ASSIGNEE(S): Santen Pharmaceutical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 322 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

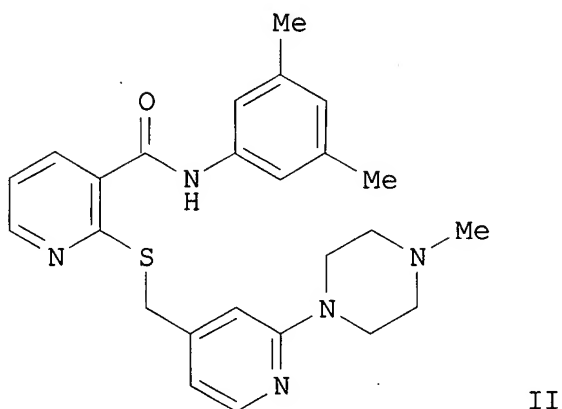
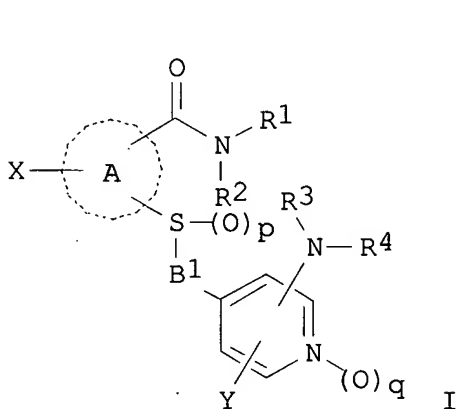
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005085201	A1	20050915	WO 2005-JP2971	20050217
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ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2005219689	A1	20050915	AU 2005-219689	20050217
CA 2555712	A1	20050915	CA 2005-2555712	20050217
JP 2006096739	A	20060413	JP 2005-84772	20050217

EP 1717229	A1	20061102	EP 2005-710622	20050217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1918127	A	20070221	CN 2005-80005051	20050217
BR 2005007757	A	20070710	BR 2005-7757	20050217
US 2007149574	A1	20070628	US 2006-587410	20060727
MX 2006PA09290	A	20061009	MX 2006-PA9290	20060816
PRIORITY APPLN. INFO.:			JP 2004-39862	A 20040217
			JP 2004-294347	A 20040906
			WO 2005-JP2971	W 20050217

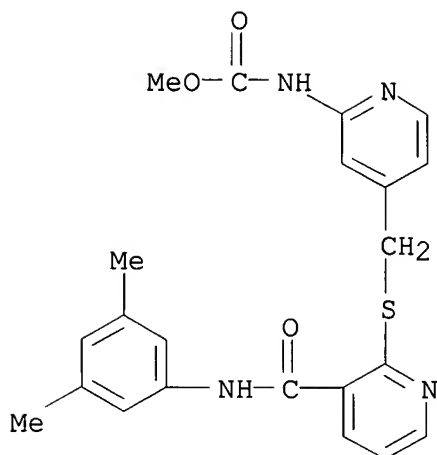
OTHER SOURCE(S): MARPAT 143:286294
GI



AB The title compds. I [wherein ring A = benzene, heterocycle, etc.; R1 and R2 = independently H, OH, alkoxy, etc.; R3 and R4 = independently H, (un)substituted alkyl, etc.; X and Y = independently H, halo, OH, etc.; B1 = alkylene; p = 0-2; q = 0 or 1] or salts thereof were prepared for the treatment of diseases in which angiogenesis participates. For example, the compound II was prepared in a multi-step synthesis in good yield.

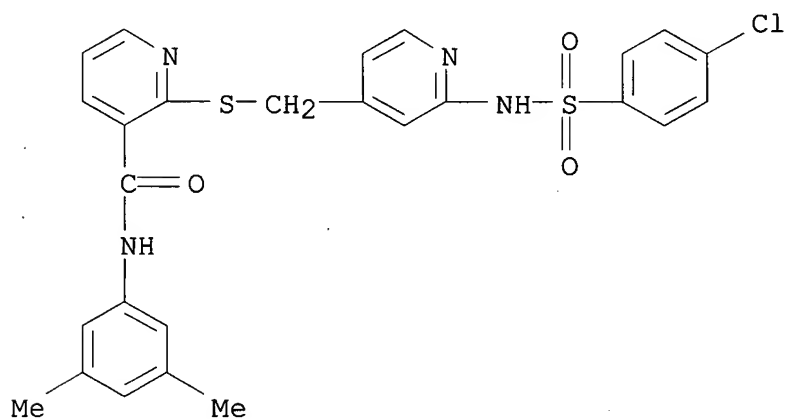
II inhibited 97% angiogenesis at the concentration of 20 µg/mL in cow. Some of compds. I showed good anticancer activity in rat. Formulations containing I

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RN 864458-27-5 CAPLUS

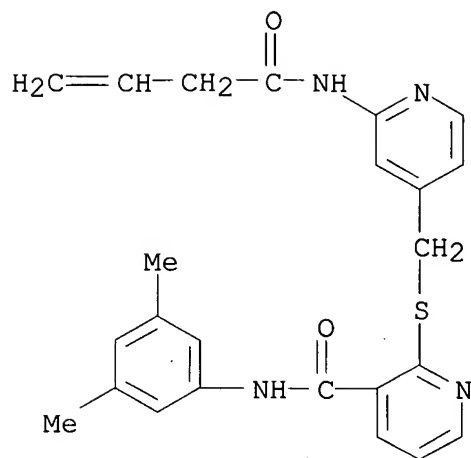
CN 3-Pyridinecarboxamide, 2-[[[2-[[[4-chlorophenyl)sulfonyl]amino]-4-pyridinyl]methyl]thio]-N-(3,5-dimethylphenyl)- (CA INDEX NAME)



RN 864458-28-6 CAPLUS

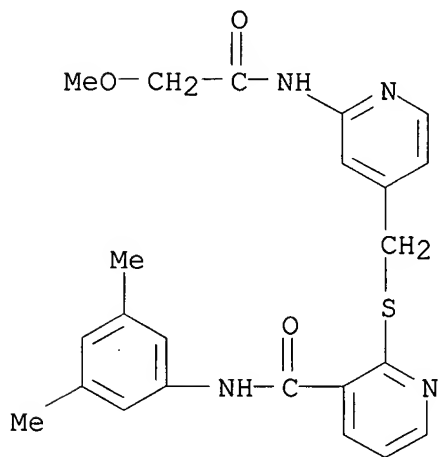
CN 3-Pyridinecarboxamide, N-(3,5-dimethylphenyl)-2-[[[2-[(1-oxo-3-butenyl)amino]-4-pyridinyl]methyl]thio]- (9CI) (CA INDEX NAME)

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RN 864458-46-8 CAPLUS

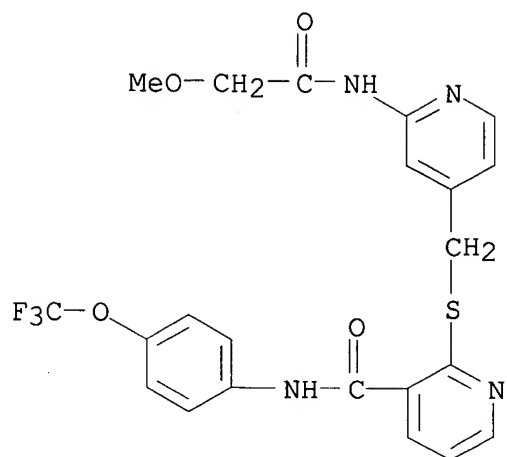
CN 3-Pyridinecarboxamide, N-(3,5-dimethylphenyl)-2-[[[2-
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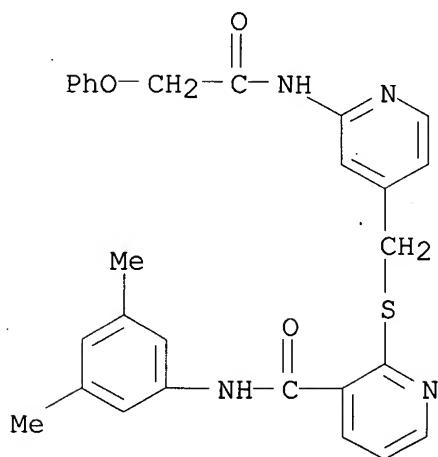
CN 3-Pyridinecarboxamide, 2-[[[2-[(methoxyacetyl)amino]-4-
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NAME)

10/587,410



RN 864458-48-0 CAPLUS

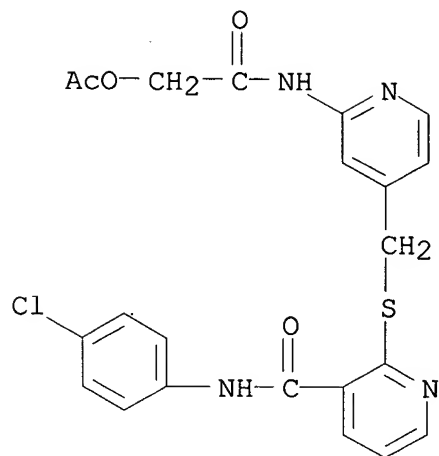
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RN 864458-49-1 CAPLUS

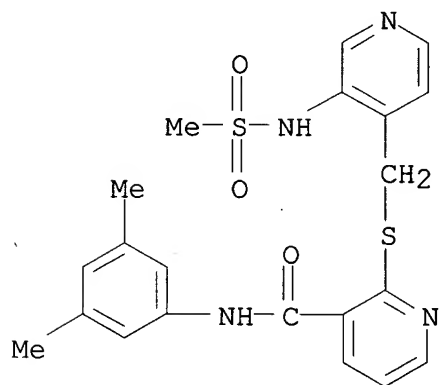
CN 3-Pyridinecarboxamide, 2-[[[2-[[[2-[(acetyloxy)acetyl]amino]-4-pyridinyl]methyl]thio]-N-(4-chlorophenyl)- (9CI) (CA INDEX NAME)

10/587,410



RN 864458-50-4 CAPLUS

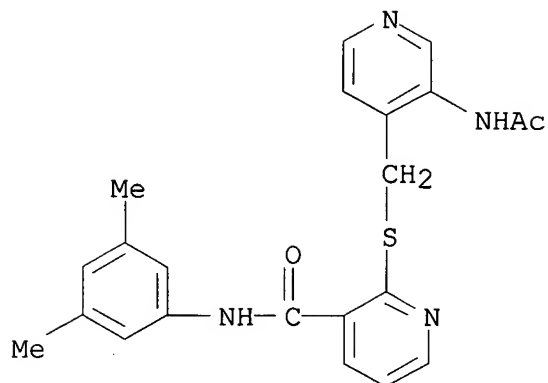
CN 3-Pyridinecarboxamide, N-(3,5-dimethylphenyl)-2-[[[3-(4-pyridyl)methylthio]-4-pyridinyl]methyl]thio]- (CA INDEX NAME)



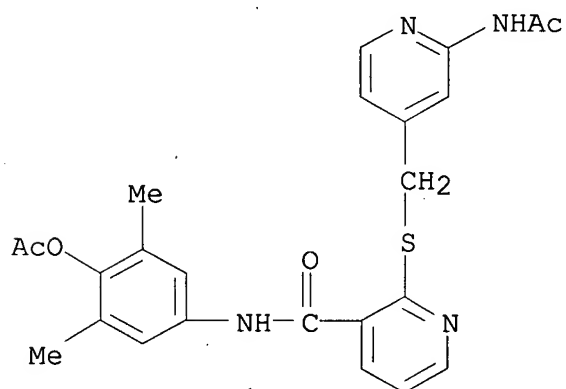
RN 864458-51-5 CAPLUS

CN 3-Pyridinecarboxamide, N-(3,5-dimethylphenyl)-2-[[[3-(4-pyridyl)methylthio]-4-pyridinyl]methyl]thio]- (CA INDEX NAME)

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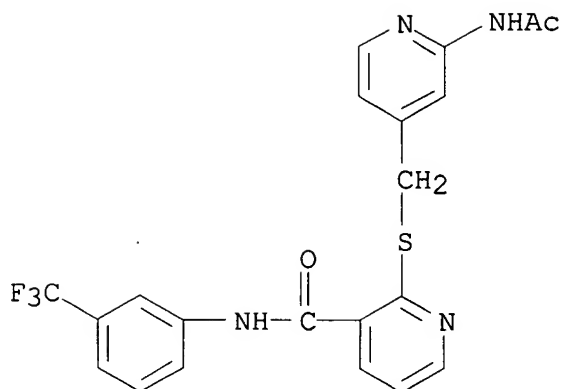


RN 864458-52-6 CAPLUS
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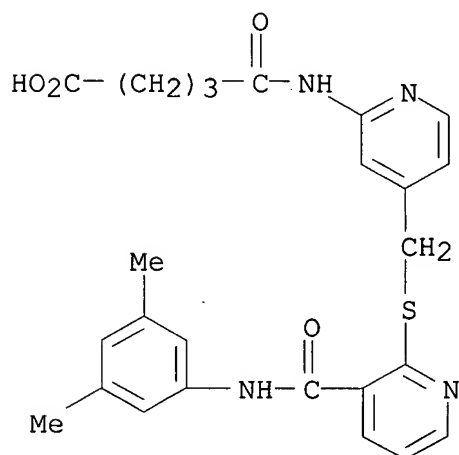
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CN 3-Pyridinecarboxamide,
2-[[[2-(acetylamino)-4-pyridinyl]methyl]thio]-N-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)

10/587,410



RN 864458-54-8 CAPLUS

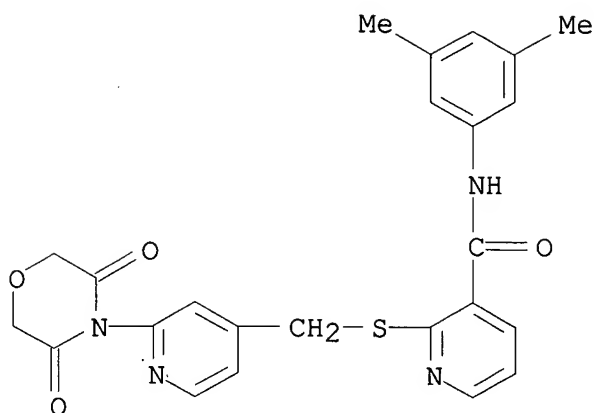
CN Pentanoic acid, 5-[[4-[[[3-[[3,5-dimethylphenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]amino]-5-oxo- (CA INDEX NAME)



RN 864458-55-9 CAPLUS

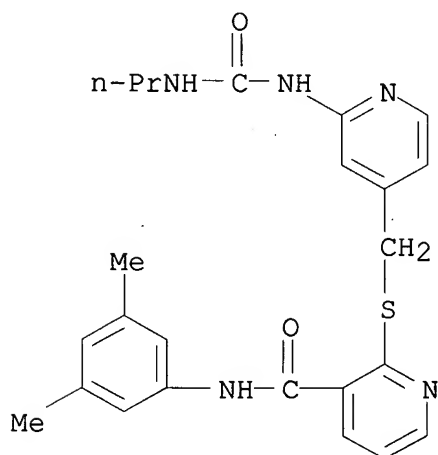
CN 3-Pyridinecarboxamide, N-(3,5-dimethylphenyl)-2-[[[2-(3,5-dioxo-4-morpholinyl)-4-pyridinyl]methyl]thio]- (CA INDEX NAME)

10/587,410



RN 864458-56-0 CAPLUS

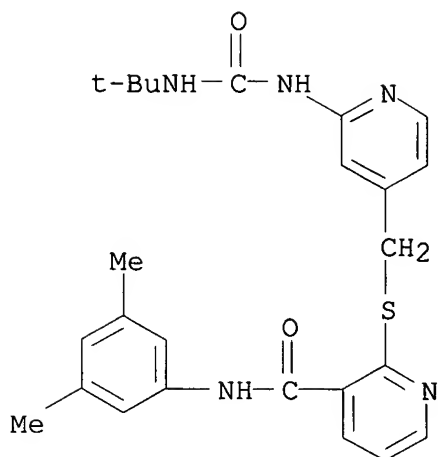
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NAME)



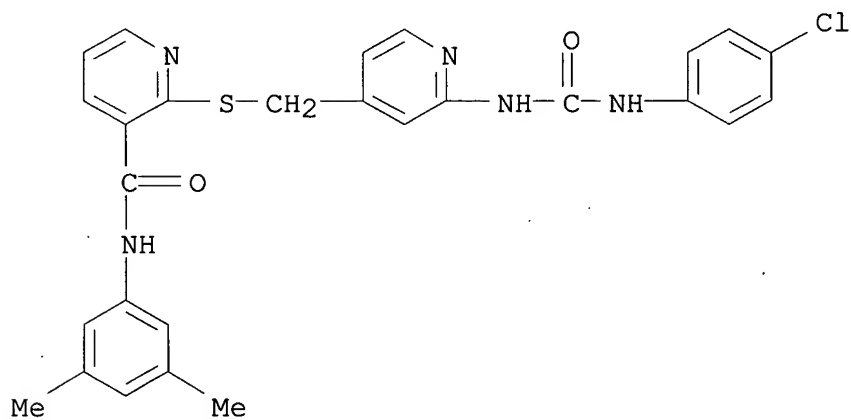
RN 864458-57-1 CAPLUS

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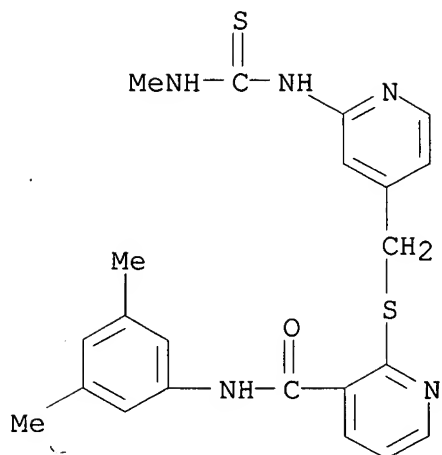


RN 864458-58-2 CAPLUS
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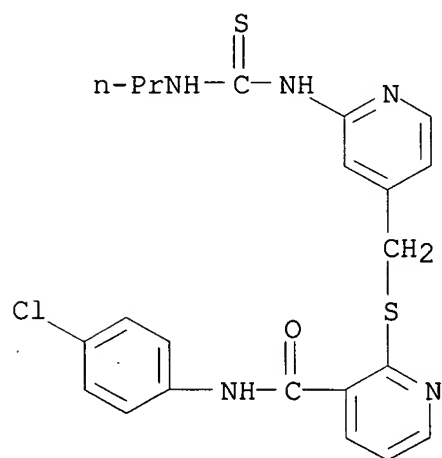
RN 864458-59-3 CAPLUS
 CN 3-Pyridinecarboxamide, N-(3,5-dimethylphenyl)-2-[[[2-
 [(methylamino)thioxomethyl]amino]-4-pyridinyl]methyl]thio]- (CA INDEX
 NAME)

10/587,410



RN 864458-60-6 CAPLUS

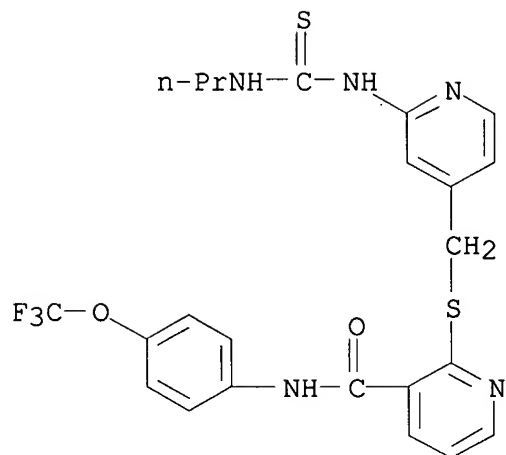
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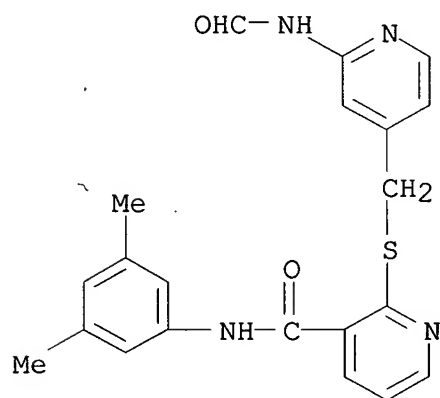
CN 3-Pyridinecarboxamide, 2-[[[2-[[(propylamino)thioxomethyl]amino]-4-
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10/587,410



RN 864458-62-8 CAPLUS

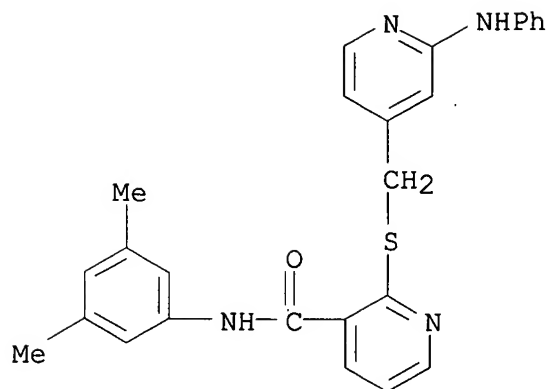
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RN 864458-64-0 CAPLUS

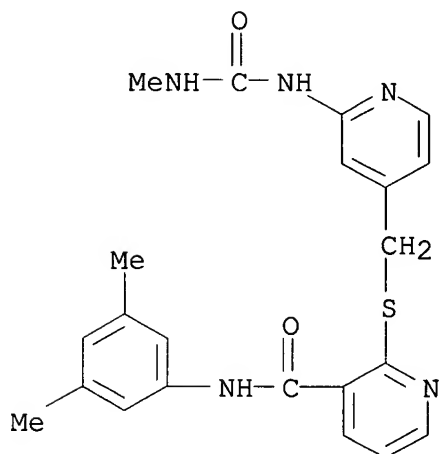
CN 3-Pyridinecarboxamide, N-(3,5-dimethylphenyl)-2-[[[2-(phenylamino)-4-pyridinyl]methyl]thio]- (CA INDEX NAME)

10/587,410



RN 864458-65-1 CAPLUS

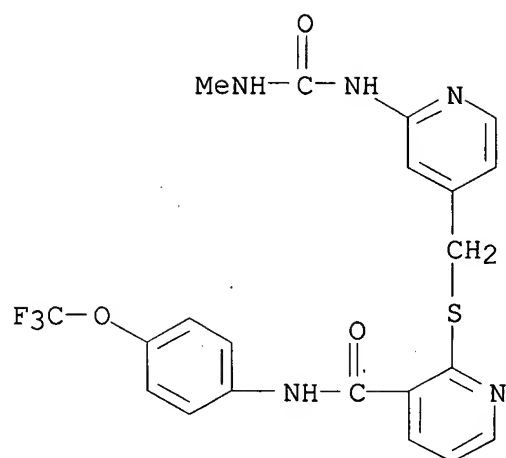
CN 3-Pyridinecarboxamide, N-(3,5-dimethylphenyl)-2-[[[2-
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NAME)



RN 864458-66-2 CAPLUS

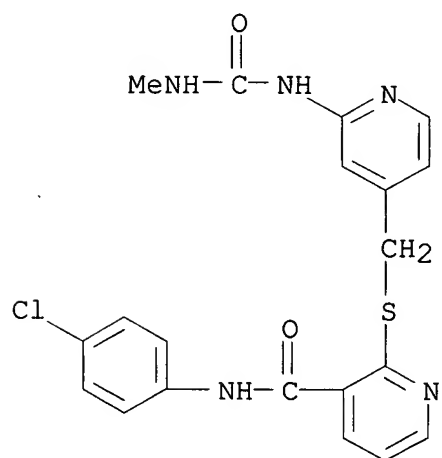
CN 3-Pyridinecarboxamide, 2-[[[2-[[(methylamino) carbonyl] amino]-4-
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10/587,410



RN 864458-67-3 CAPLUS

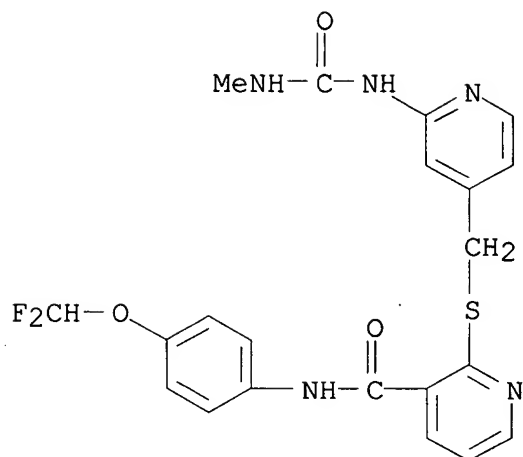
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NAME)



RN 864458-68-4 CAPLUS

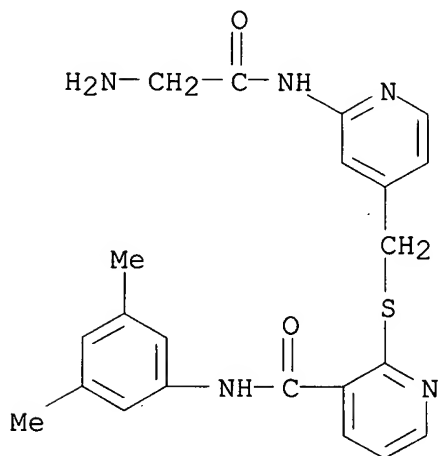
CN 3-Pyridinecarboxamide, N-[4-(difluoromethoxy)phenyl]-2-[[[2-
[[(methylamino) carbonyl] amino]-4-pyridinyl]methyl]thio]- (CA INDEX
NAME)

10/587,410



RN 864458-90-2 CAPLUS

CN 3-Pyridinecarboxamide, 2-[[[2-[(aminoacetyl)amino]-4-pyridinyl]methyl]thio]-N-(3,5-dimethylphenyl)-, monohydrochloride (9CI)
(CA INDEX NAME)



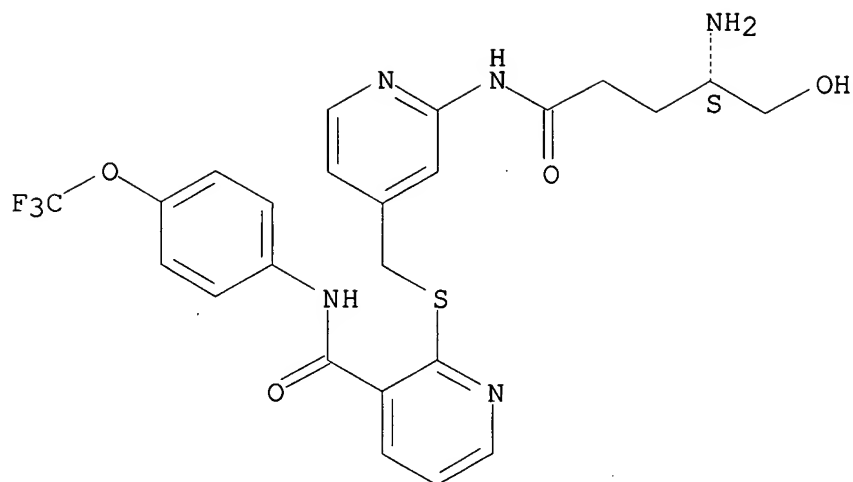
● HCl

RN 864458-91-3 CAPLUS

CN 3-Pyridinecarboxamide,
2-[[[2-[[[4S]-4-amino-5-hydroxy-1-oxopentyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]-,
monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

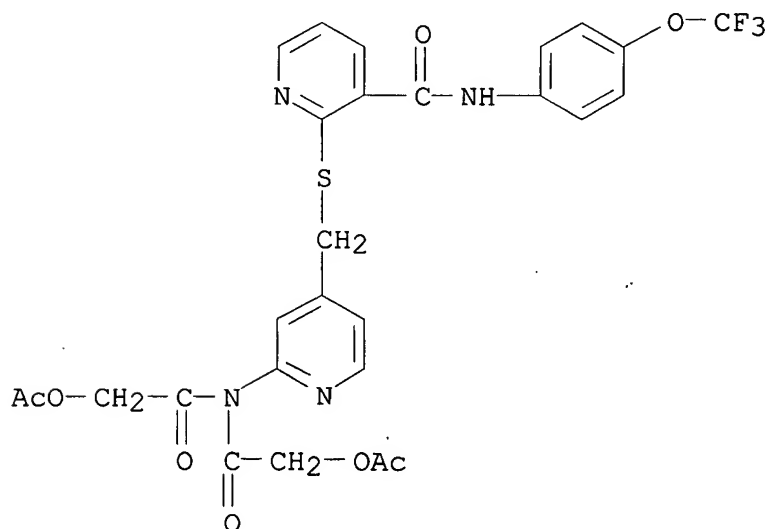
10/587,410



● HCl

RN 864459-08-5 CAPLUS

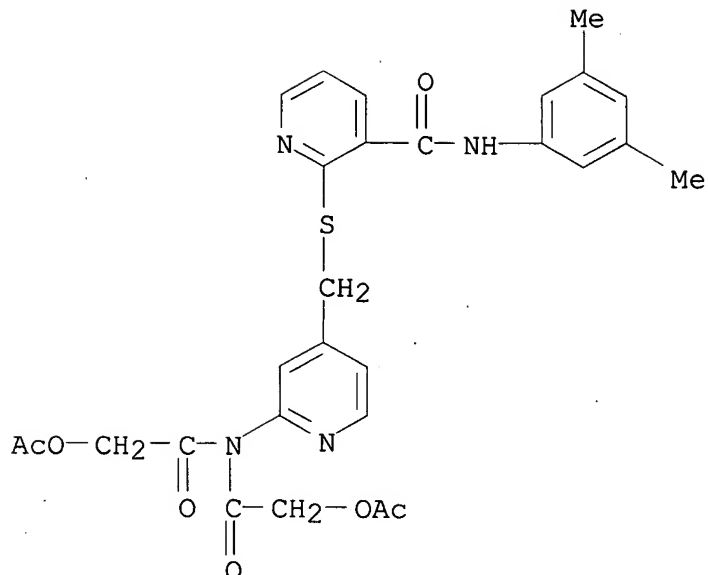
CN 3-Pyridinecarboxamide, 2-[[[2-[bis[(acetyloxy)acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 864459-09-6 CAPLUS

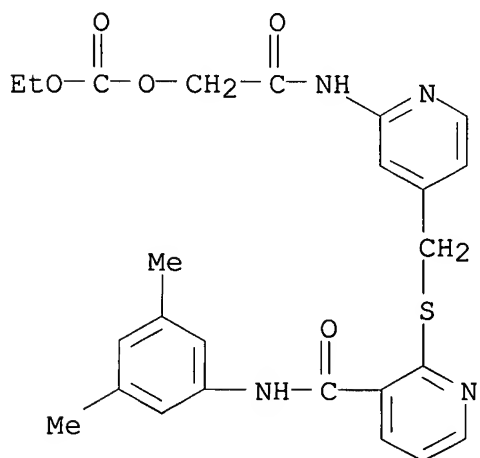
CN 3-Pyridinecarboxamide, 2-[[[2-[bis[(acetyloxy)acetyl]amino]-4-pyridinyl]methyl]thio]-N-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)

10/587,410



RN 864459-10-9 CAPLUS

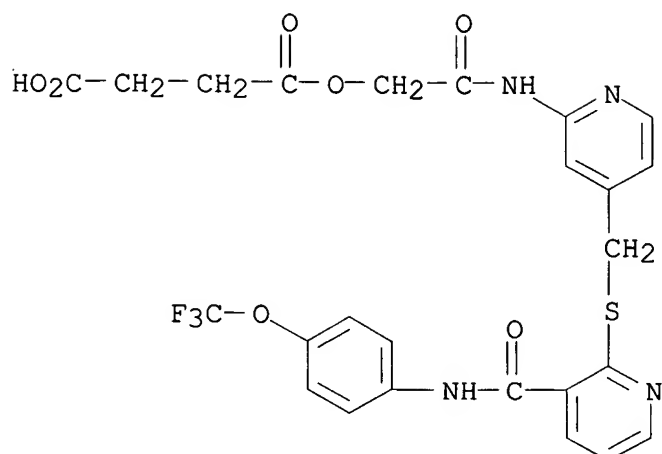
CN Carbonic acid, 2-[[4-[[[3-[(3,5-dimethylphenyl)amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]amino]-2-oxoethyl ethyl ester (CA INDEX NAME)



RN 864459-11-0 CAPLUS

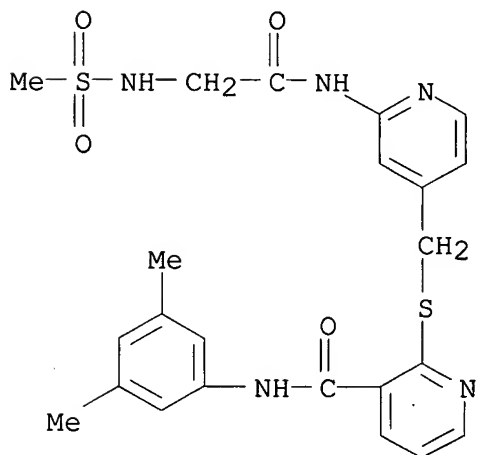
CN Butanedioic acid,
mono[2-oxo-2-[[4-[[[3-[[4-(trifluoromethoxy)phenyl]amin
o]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]amino]ethyl] ester
(9CI)
(CA INDEX NAME)

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RN 864459-12-1 CAPLUS

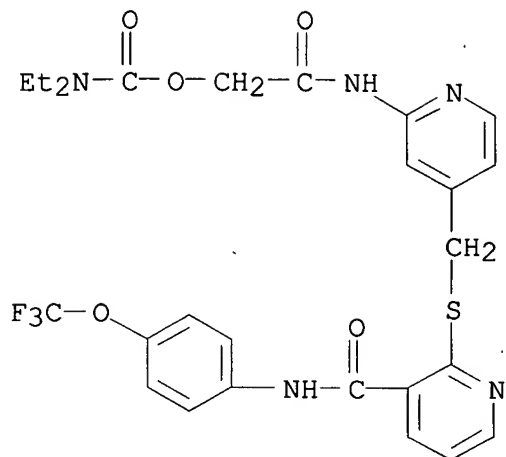
CN 3-Pyridinecarboxamide, N-(3,5-dimethylphenyl)-2-[[[2-[[[(methanesulfonyl)amino]acetyl]amino]-4-pyridinyl]methyl]thio]- (9CI)
(CA INDEX NAME)



RN 864459-13-2 CAPLUS

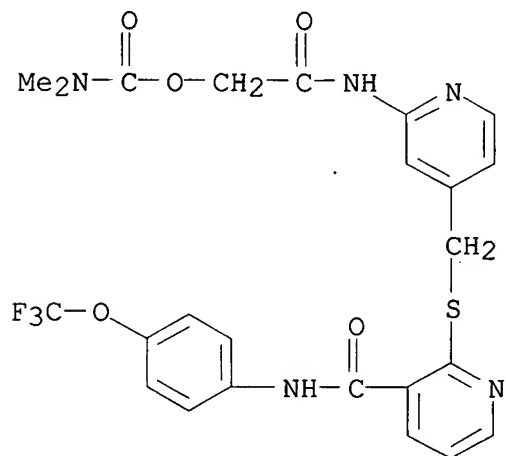
CN Carbamic acid, diethyl-, 2-oxo-2-[[4-[[[3-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]amino]ethyl ester (9CI) (CA INDEX NAME)

10/587,410



RN 864459-14-3 CAPLUS

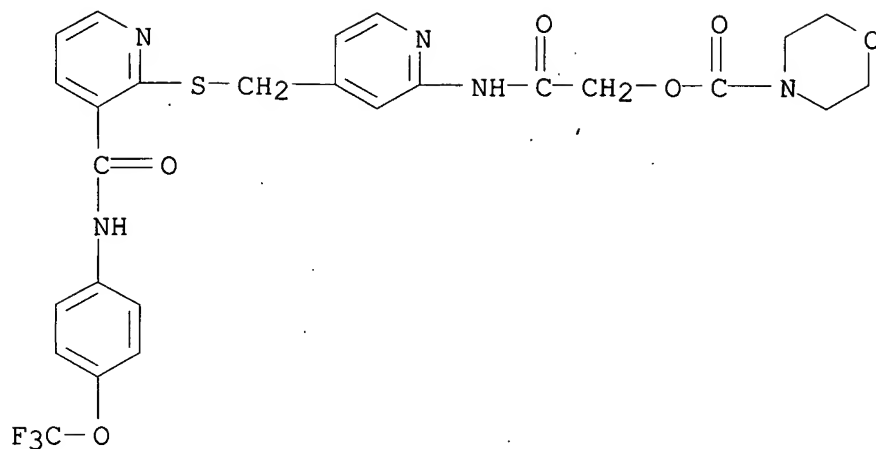
CN Carbamic acid, dimethyl-, 2-oxo-2-[[4-[[[3-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]amino]ethyl ester (9CI) (CA INDEX NAME)



RN 864459-15-4 CAPLUS

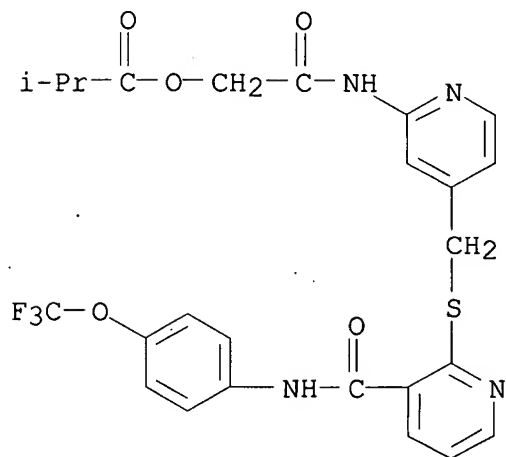
CN 4-Morpholinecarboxylic acid, 2-oxo-2-[[4-[[[3-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]amino]ethyl ester (CA INDEX NAME)

10/587,410



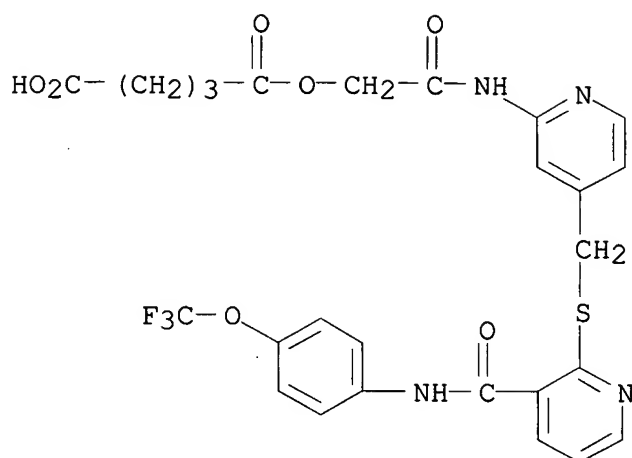
RN 864459-16-5 CAPLUS

CN Propanoic acid, 2-methyl-, 2-oxo-2-[[4-[[[3-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]amino]ethyl ester (CA INDEX NAME)



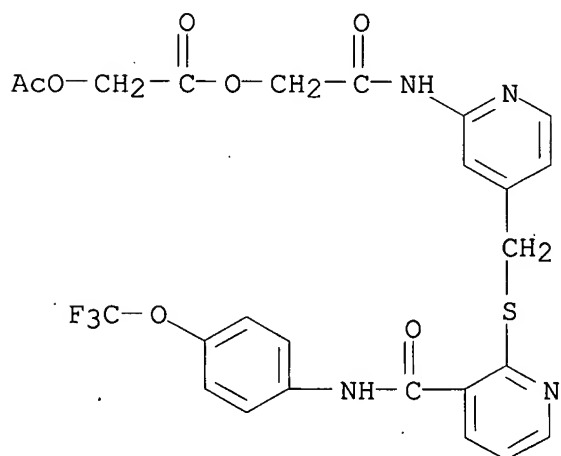
RN 864459-17-6 CAPLUS

CN Pentanedioic acid, mono[2-oxo-2-[[4-[[[3-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]amino]ethyl] ester (9CI) (CA INDEX NAME)



RN 864459-18-7 CAPLUS

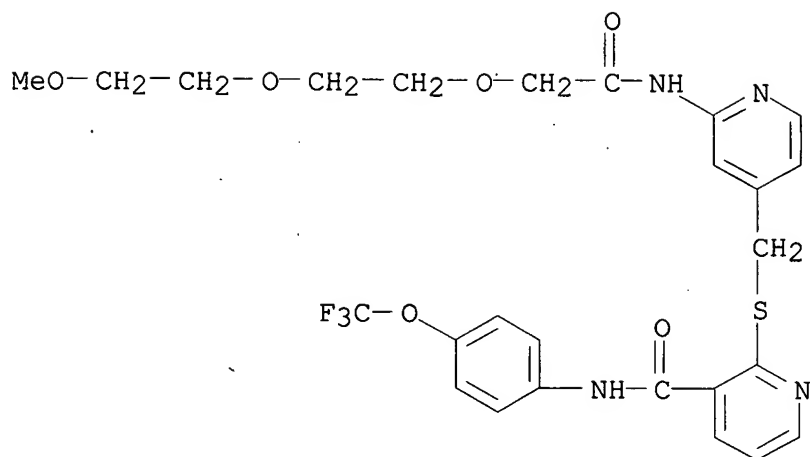
CN Acetic acid, (acetyloxy)-, 2-oxo-2-[[4-[[[3-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]amino]ethyl ester (9CI) (CA INDEX NAME)



RN 864459-19-8 CAPLUS

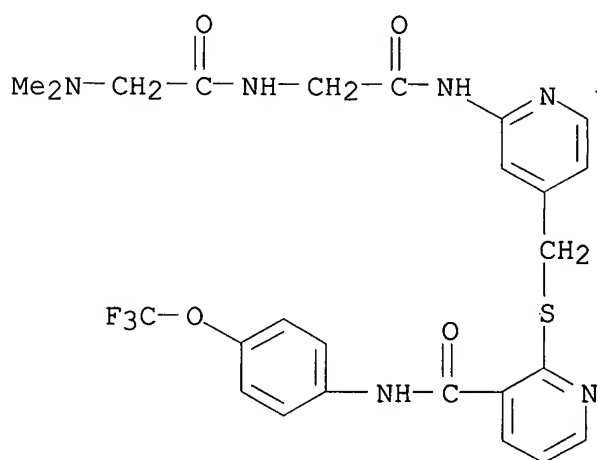
CN 3-Pyridinecarboxamide,
2-[[[2-[[[2-(2-methoxyethoxy)ethoxy]acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

10/587,410



RN 864459-20-1 CAPLUS

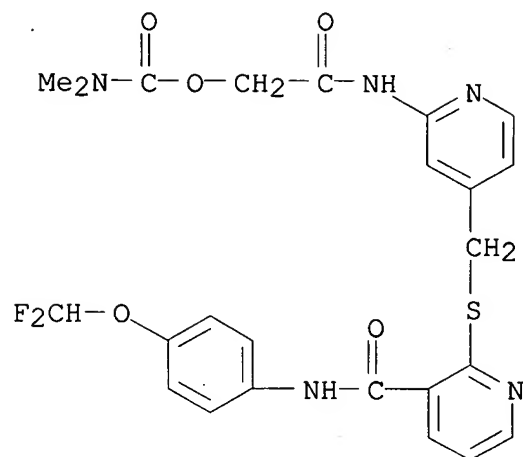
CN Glycinamide, N,N-dimethylglycyl-N-[4-[[[3-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]- (9CI) (CA INDEX NAME)



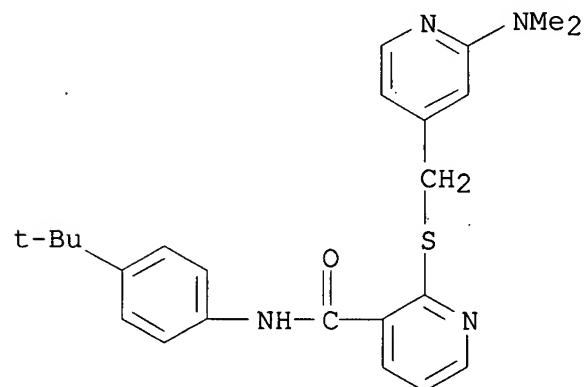
RN 864459-21-2 CAPLUS

CN Carbamic acid, dimethyl-, 2-[[4-[[[3-[[[4-(difluoromethoxy)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]amino]-2-oxoethyl ester (9CI)
(CA INDEX NAME)

10/587,410

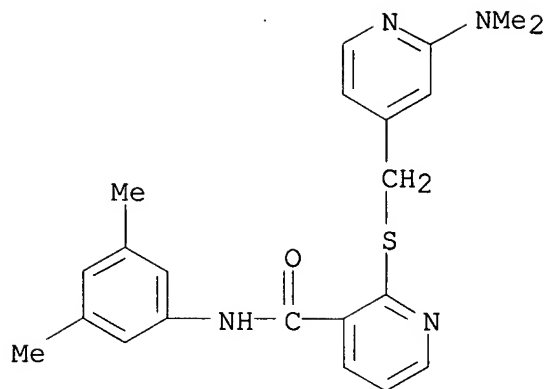


RN 864459-22-3 CAPLUS
 CN 3-Pyridinecarboxamide,
 2-[[[2-(dimethylamino)-4-pyridinyl]methyl]thio]-N-
 [4-(1,1-dimethylethyl)phenyl]- (CA INDEX NAME)

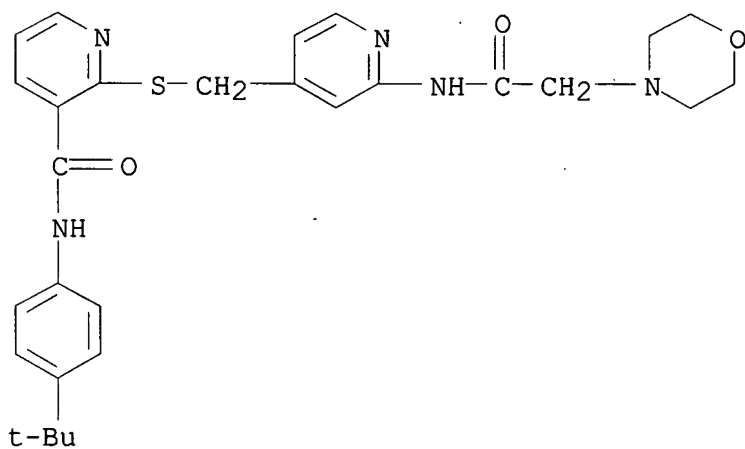


RN 864459-23-4 CAPLUS
 CN 3-Pyridinecarboxamide,
 2-[[[2-(dimethylamino)-4-pyridinyl]methyl]thio]-N-
 (3,5-dimethylphenyl)- (CA INDEX NAME)

10/587,410

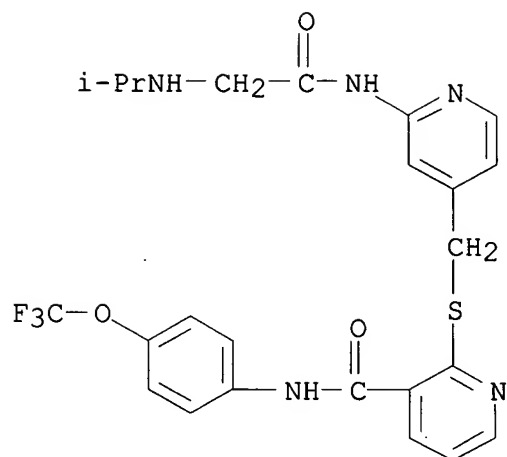


RN 864459-33-6 CAPLUS
 CN 4-Morpholineacetamide,
 N-[4-[[[3-[[[4-(1,1-dimethylethyl)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]- (CA INDEX NAME)

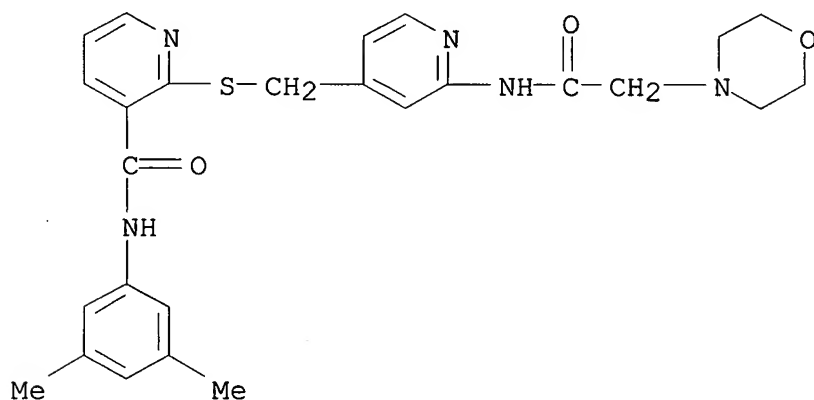


RN 864459-34-7 CAPLUS
 CN 3-Pyridinecarboxamide, 2-[[[2-[[[(1-methylethyl)amino]acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

10/587,410

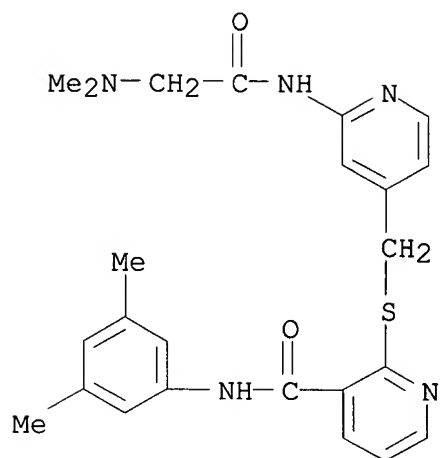


RN 864459-35-8 CAPLUS
 CN 4-Morpholineacetamide,
 N-[4-[[[3-[[[(3,5-dimethoxyphenyl)amino]carbonyl]-2-
 pyridinyl]thio]methyl]-2-pyridinyl]- (CA INDEX NAME)



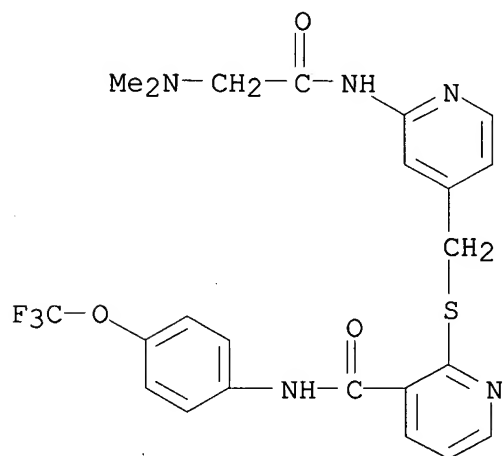
RN 864459-36-9 CAPLUS
 CN 3-Pyridinecarboxamide, 2-[[[2-[[[(dimethylamino)acetyl]amino]-4-
 pyridinyl]methyl]thio]-N-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)

10/587,410



RN 864459-37-0 CAPLUS

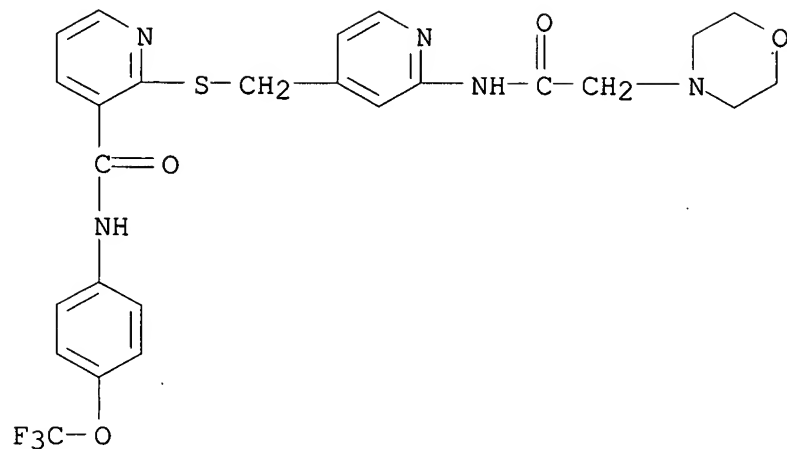
CN 3-Pyridinecarboxamide, 2-[[[2-[[[(dimethylamino)acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 864459-38-1 CAPLUS

CN 4-Morpholineacetamide,
N-[4-[[[3-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]- (CA INDEX NAME)

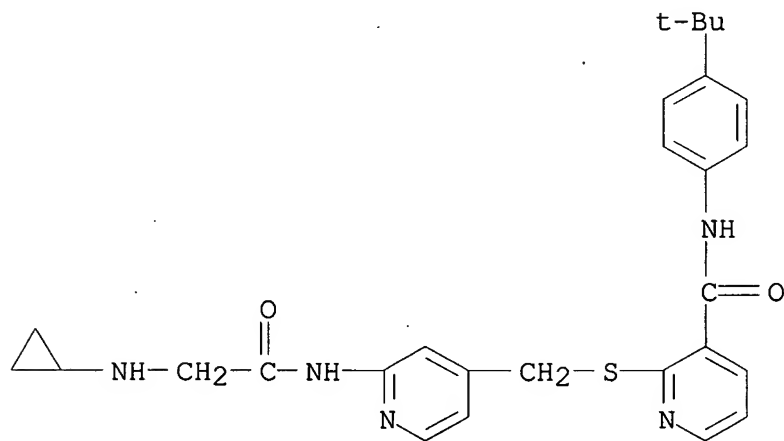
10/587,410



RN 864459-39-2 CAPLUS

CN 3-Pyridinecarboxamide, 2-[[[2-[[[(cyclopropylamino)acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(1,1-dimethylethyl)phenyl]- (9CI) (CA

INDEX
NAME)

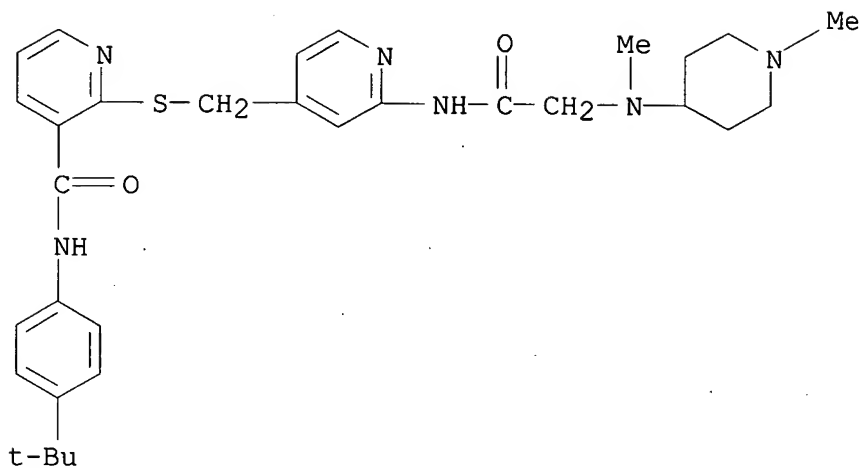


RN 864459-40-5 CAPLUS

CN 3-Pyridinecarboxamide,
N-[4-(1,1-dimethylethyl)phenyl]-2-[[[2-[[[methyl(1-
methyl-4-piperidinyl)amino]acetyl]amino]-4-pyridinyl]methyl]thio]-
(9CI)

(CA INDEX NAME)

10/587,410

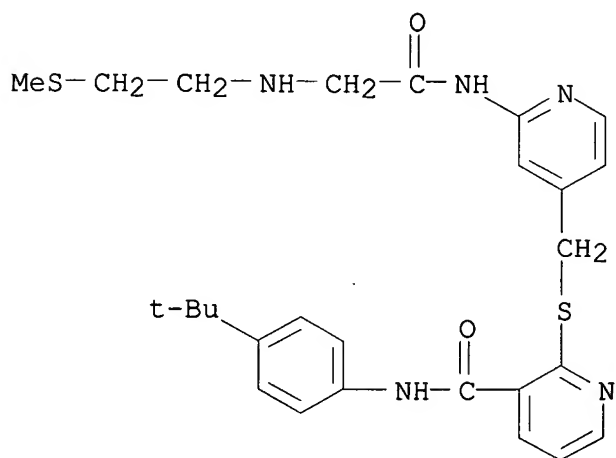


RN 864459-41-6 CAPLUS

CN 3-Pyridinecarboxamide, N-[4-(1,1-dimethylethyl)phenyl]-2-[[[2-[[[2-(methylthio)ethyl]amino]acetyl]amino]-4-pyridinyl]methyl]thio]- (9CI)

(CA

INDEX NAME)



RN 864459-42-7 CAPLUS

CN 3-Pyridinecarboxamide,

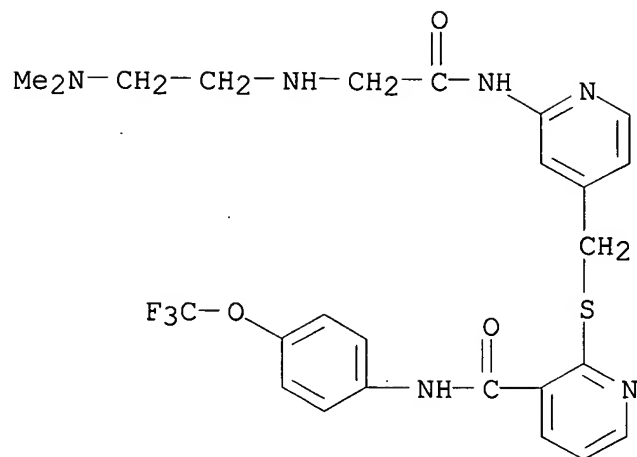
2-[[[2-[[[2-(dimethylamino)ethyl]amino]acetyl]amin

o]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI)

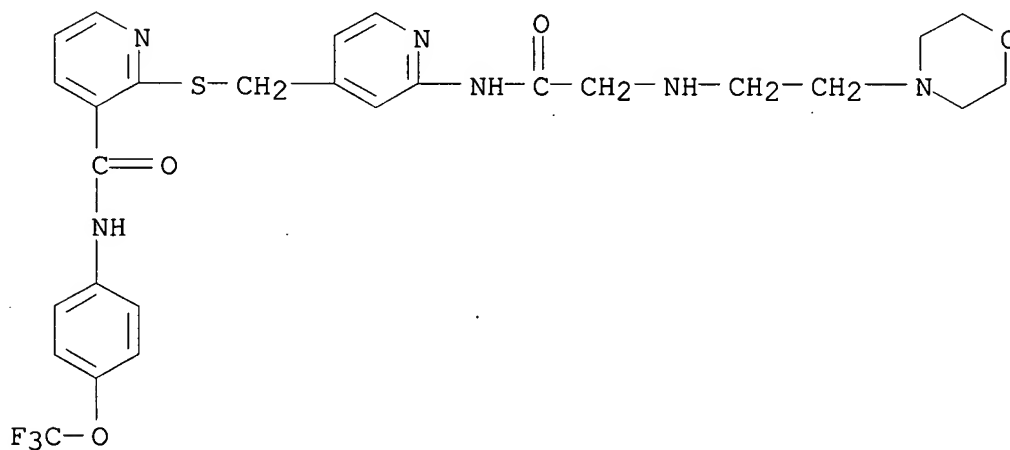
(CA

INDEX NAME)

10/587,410

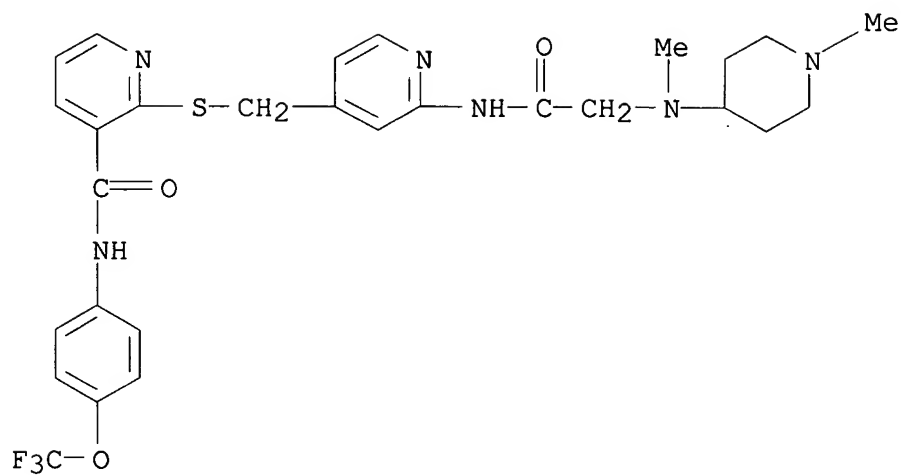


RN 864459-43-8 CAPLUS
 CN 3-Pyridinecarboxamide,
 2-[[[2-[[[2-(4-morpholinyl)ethyl]amino]acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

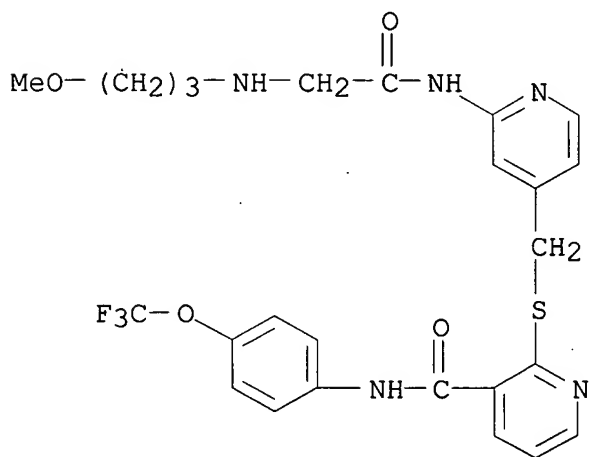


RN 864459-44-9 CAPLUS
 CN 3-Pyridinecarboxamide, 2-[[[2-[[[methyl(1-methyl-4-piperidinyl)amino]acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

10/587,410

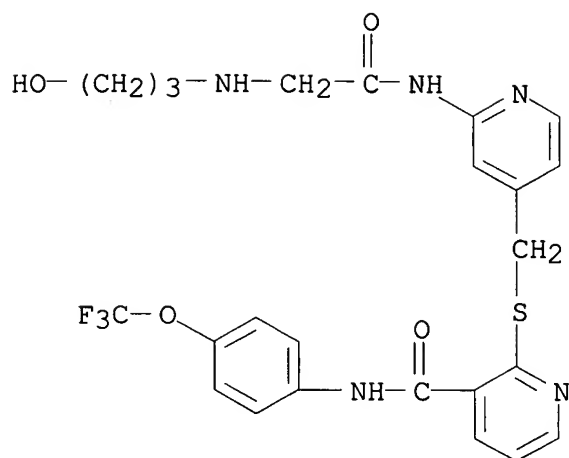


RN 864459-45-0 CAPLUS
 CN 3-Pyridinecarboxamide,
 2-[[[2-[[[(3-methoxypropyl)amino]acetyl]amino]-4-
 pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX
 NAME)



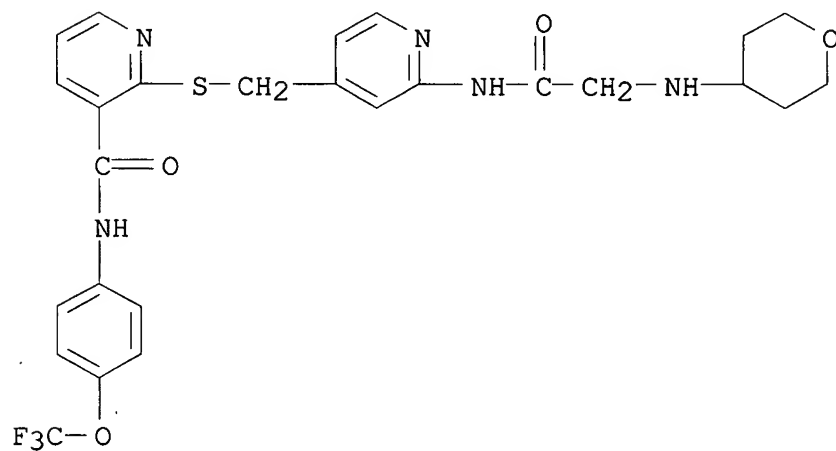
RN 864459-46-1 CAPLUS
 CN 3-Pyridinecarboxamide,
 2-[[[2-[[[(3-hydroxypropyl)amino]acetyl]amino]-4-
 pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX
 NAME)

10/587,410



RN 864459-47-2 CAPLUS

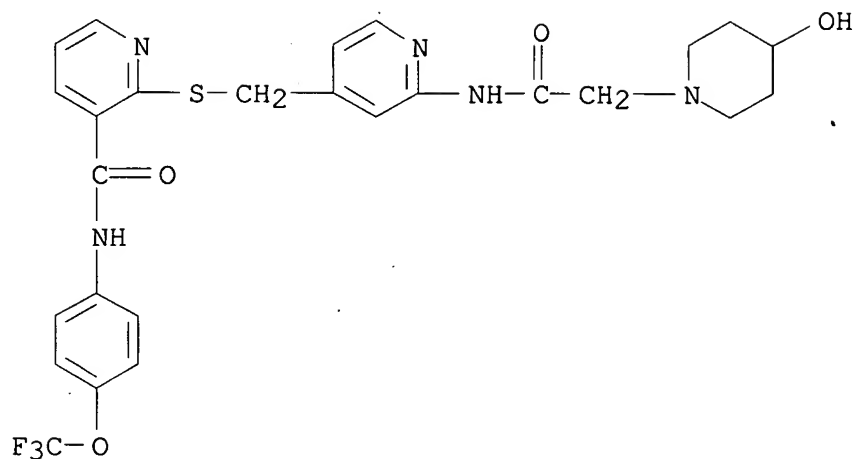
CN 3-Pyridinecarboxamide, 2-[[[2-[[[(tetrahydro-2H-pyran-4-yl)amino]acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 864459-48-3 CAPLUS

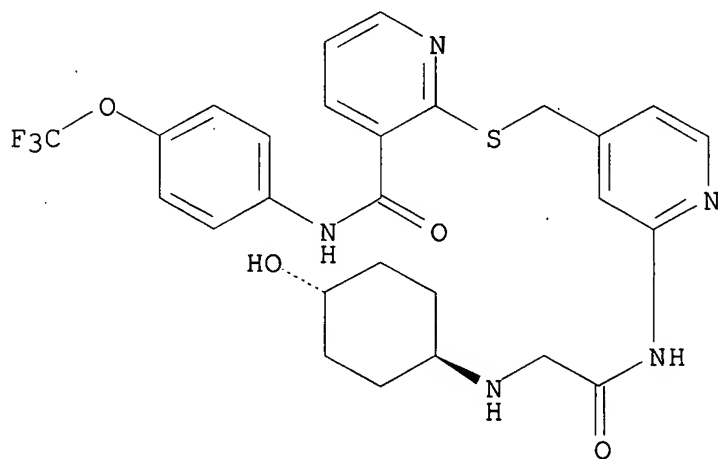
CN 3-Pyridinecarboxamide, 2-[[[2-[[[(4-hydroxy-1-piperidinyl)acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

10/587,410.



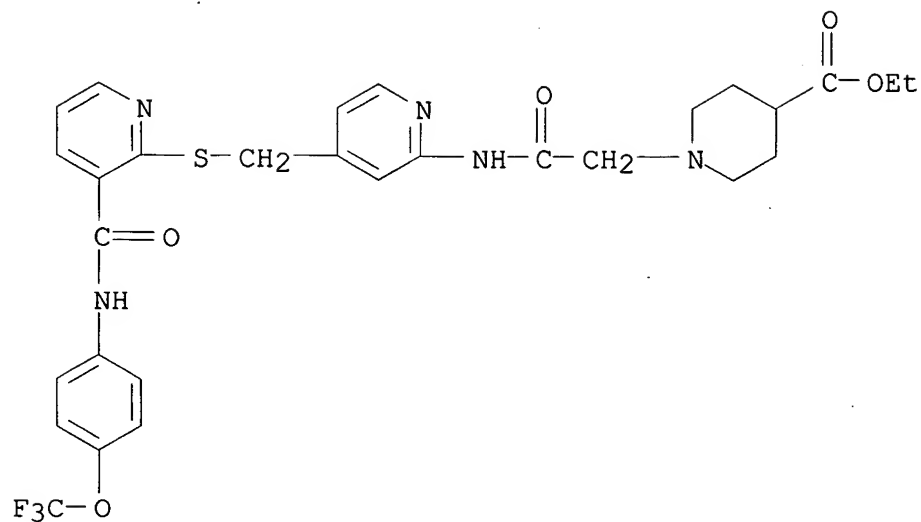
RN 864459-49-4 CAPLUS
 CN 3-Pyridinecarboxamide,
 2-[[[2-[[[(trans-4-hydroxycyclohexyl)amino]acetyl]a
 mino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI)
 (CA
 INDEX NAME)

Relative stereochemistry.



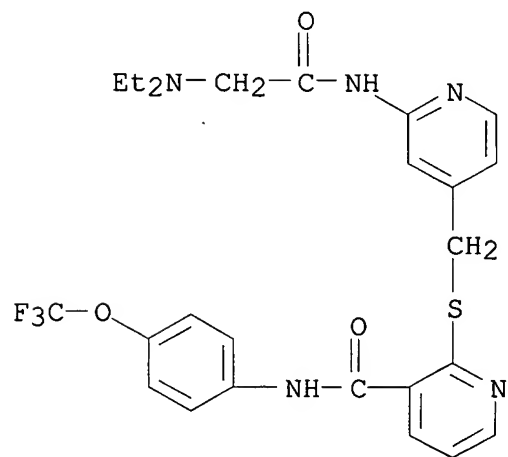
RN 864459-50-7 CAPLUS
 CN 4-Piperidinecarboxylic acid, 1-[2-oxo-2-[[4-[[[3-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]amino]ethyl]-, ethyl ester (CA INDEX NAME)

10/587,410



RN 864459-51-8 CAPLUS

CN 3-Pyridinecarboxamide, 2-[[[2-[[4-(trifluoromethoxy)phenyl]amino]acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 864459-52-9 CAPLUS

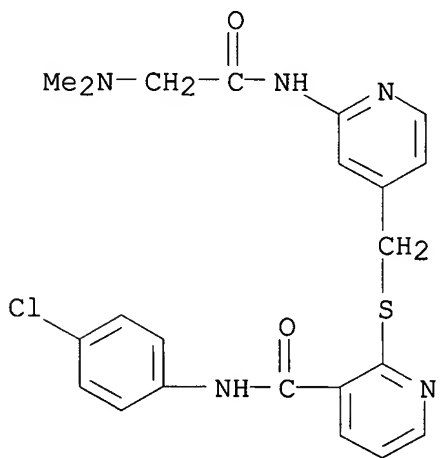
CN 3-Pyridinecarboxamide, 2-[[[2-[(1-pyrrolidinyl)acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

COc1ccc(NC(=O)c2ccccc2SNC(=O)Cc3ccccc3N)cc1

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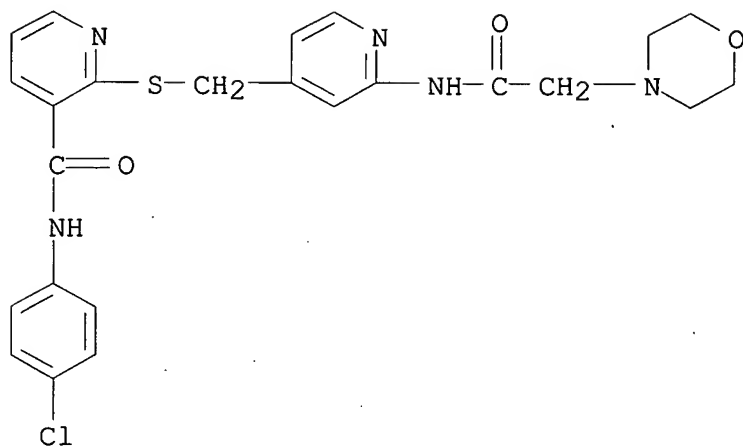
CN      3-Pyridinecarboxamide, N-(4-chlorophenyl)-2-[[[2-
      [[(dimethylamino)acetyl]amino]-4-pyridinyl]methyl]thio]- (9CI)  (CA
INDEX
      NAME)

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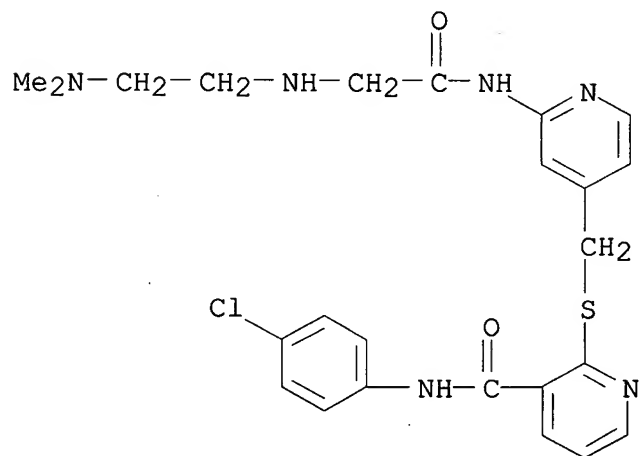
CN 4-Morpholineacetamide, N-[4-[[[3-[[[4-chlorophenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]- (CA INDEX NAME)

10/587,410



RN 864459-55-2 CAPLUS

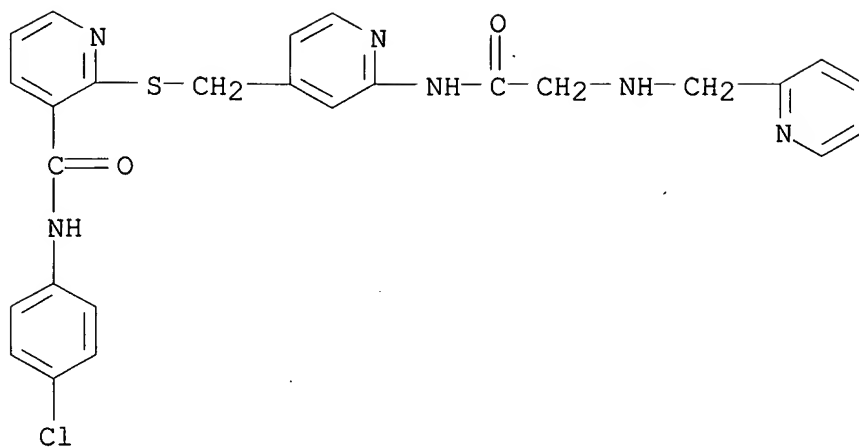
CN 3-Pyridinecarboxamide, N-(4-chlorophenyl)-2-[[[2-[[[2-(dimethylamino)ethyl]amino]acetyl]amino]-4-pyridinyl]methyl]thio]-
(9CI)
(CA INDEX NAME)



RN 864459-56-3 CAPLUS

CN 3-Pyridinecarboxamide, N-(4-chlorophenyl)-2-[[[2-[[[2-(pyridin-2-ylmethyl)thio]pyridin-2-yl]acetyl]amino]-4-pyridinyl]methyl]thio]- (9CI)
(CA INDEX NAME)

10/587,410

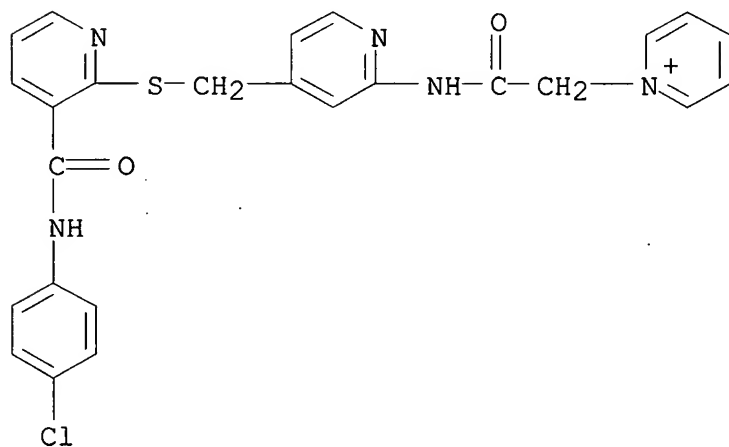


RN 864459-57-4 CAPLUS

CN Pyridinium, 1-[2-[[4-[[[3-[[[(4-chlorophenyl)amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]amino]-2-oxoethyl]-, bromide (9CI)

(CA

INDEX NAME)

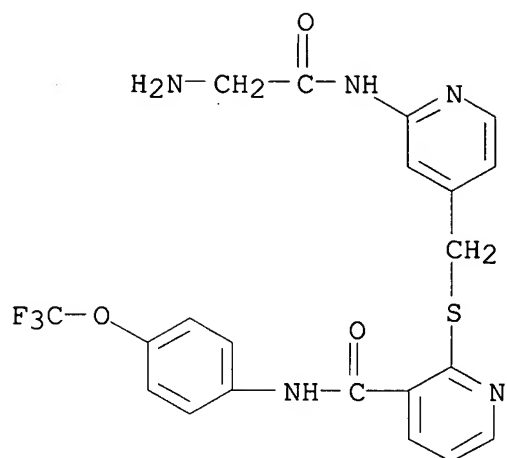


● Br⁻

RN 864459-58-5 CAPLUS

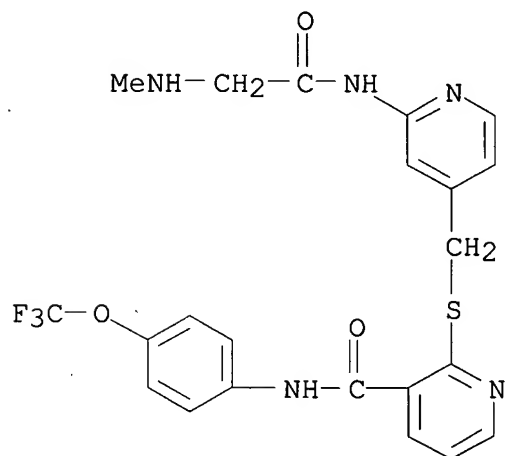
CN 3-Pyridinecarboxamide, 2-[[[2-[(aminoacetyl)amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

10/587,410



RN 864459-59-6 CAPLUS

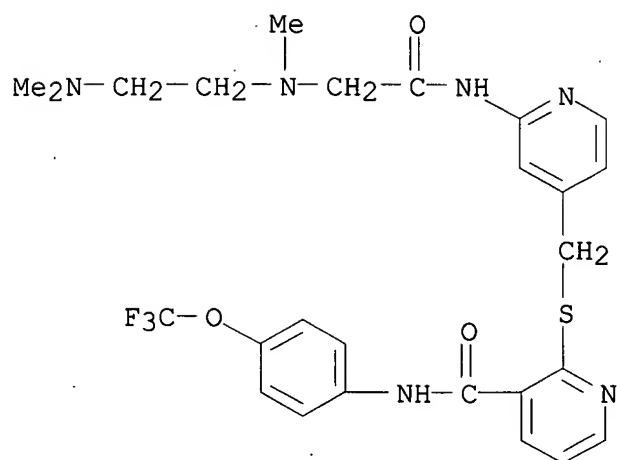
CN 3-Pyridinecarboxamide, 2-[[[2-[[(methylamino) acetyl] amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 864459-60-9 CAPLUS

CN 3-Pyridinecarboxamide, 2-[[[2-[[[2-(dimethylamino) ethyl] methylamino] acetyl] amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

10/587,410



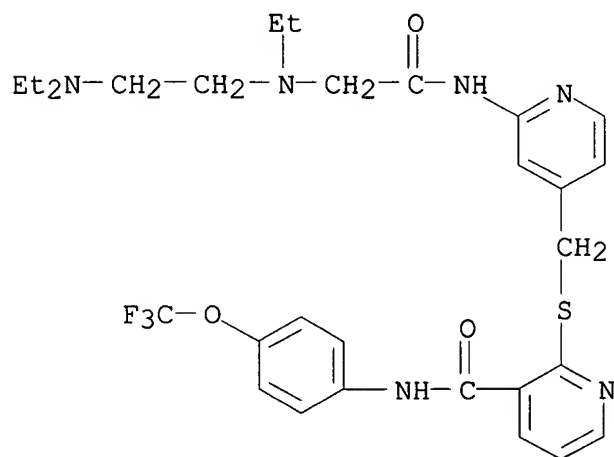
RN 864459-61-0 CAPLUS

CN 3-Pyridinecarboxamide,

2-[[[2-[[[2-(diethylamino)ethyl]ethylamino]acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI)

(CA

INDEX NAME)

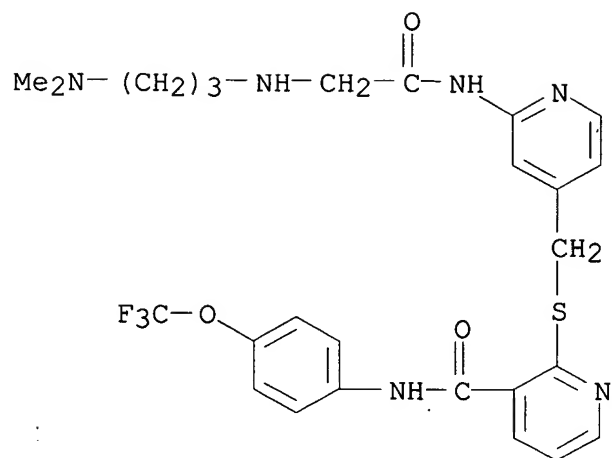


RN 864459-62-1 CAPLUS

CN 3-Pyridinecarboxamide,

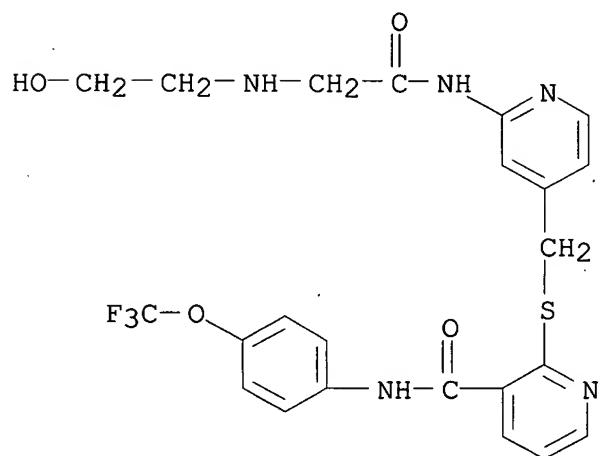
2-[[[2-[[[3-(dimethylamino)propyl]amino]acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA
INDEX NAME)

10/587,410



RN 864459-63-2 CAPLUS

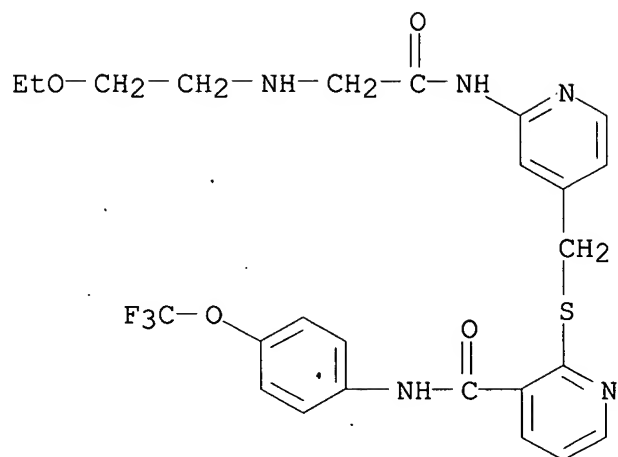
CN 3-Pyridinecarboxamide, 2-[[[2-[[[2-(hydroxyethyl)amino]acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



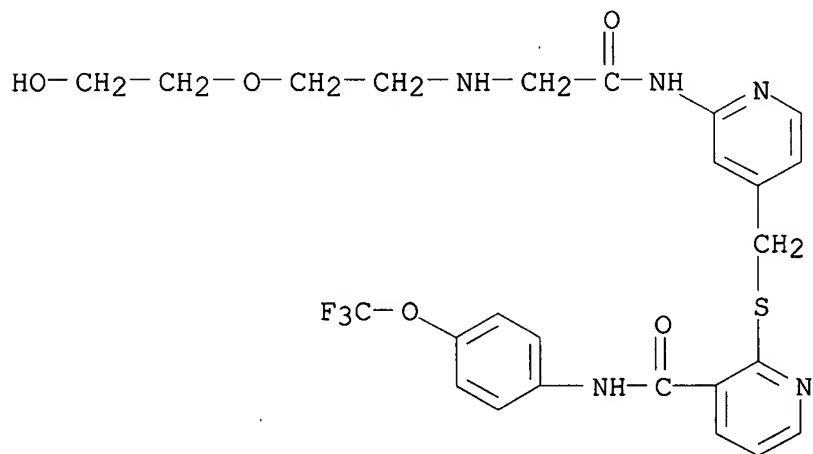
RN 864459-65-4 CAPLUS

CN 3-Pyridinecarboxamide, 2-[[[2-[[[2-(ethoxyethyl)amino]acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

10/587,410



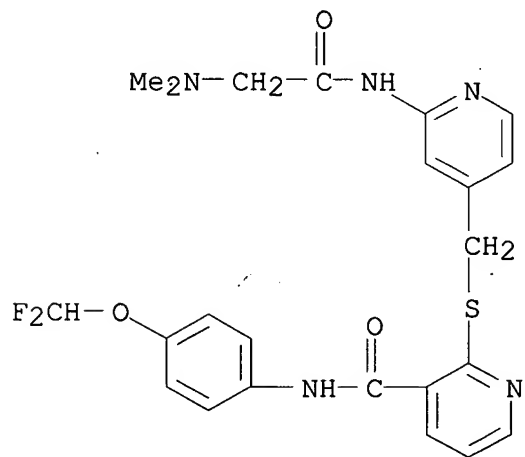
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 CN 3-Pyridinecarboxamide,
 2-[[[2-[[[2-(2-hydroxyethoxy)ethyl]amino]acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI)
 (CA INDEX NAME)



RN 864459-69-8 CAPLUS
 CN 1-Piperazineacetamide,
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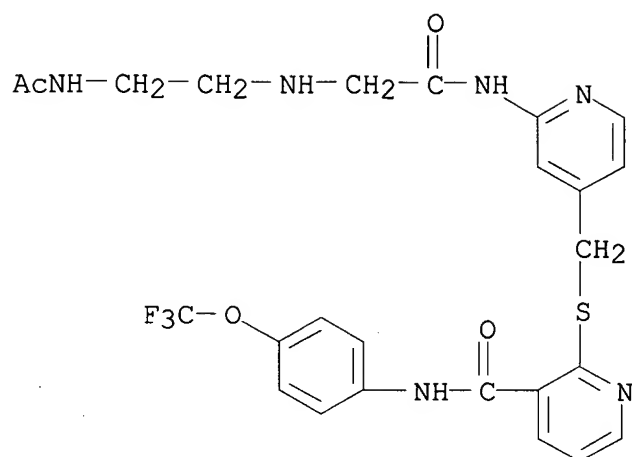
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CN 3-Pyridinecarboxamide, N-[4-(difluoromethoxy)phenyl]-2-[[[2-
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monohydrochloride (9CI) (CA INDEX NAME)



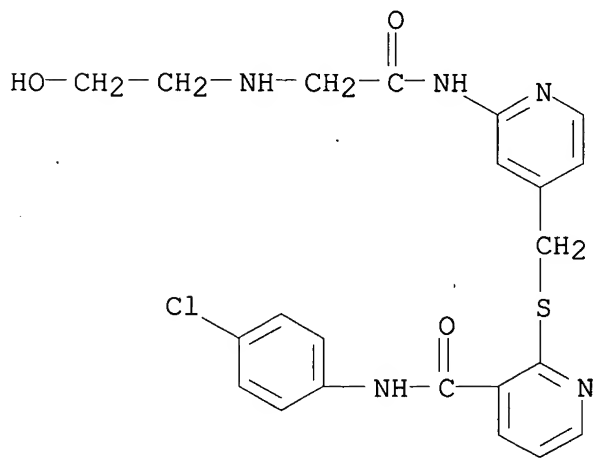
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10/587,410



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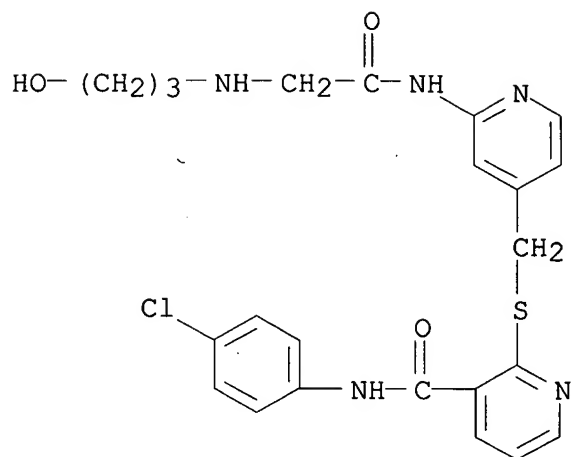
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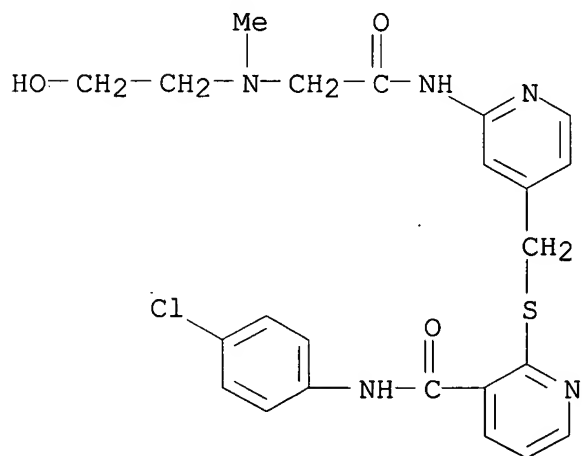
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10/587,410



RN 864459-78-9 CAPLUS

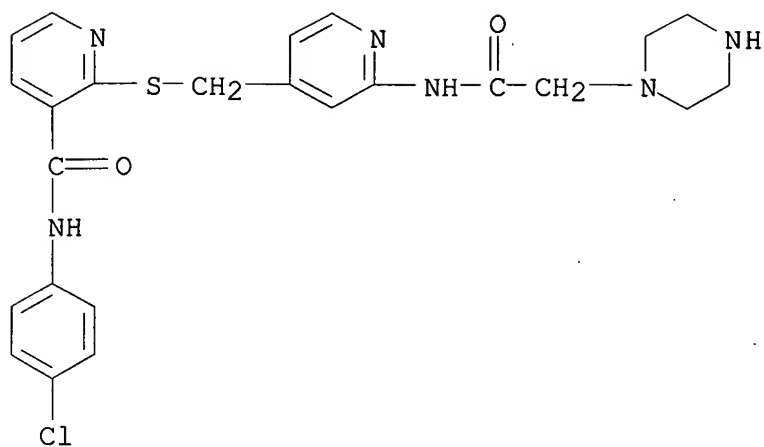
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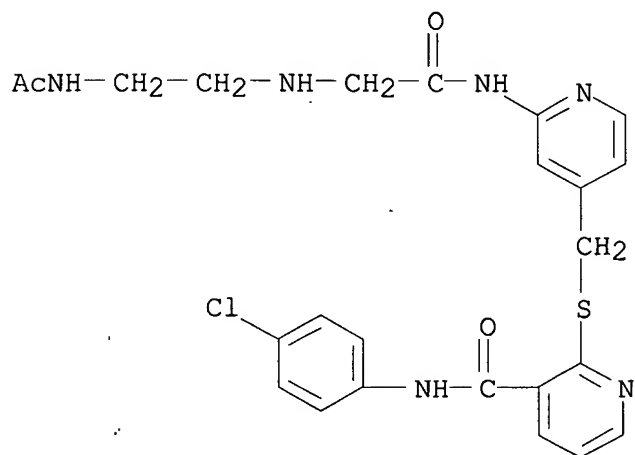
RN 864459-79-0 CAPLUS

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10/587,410

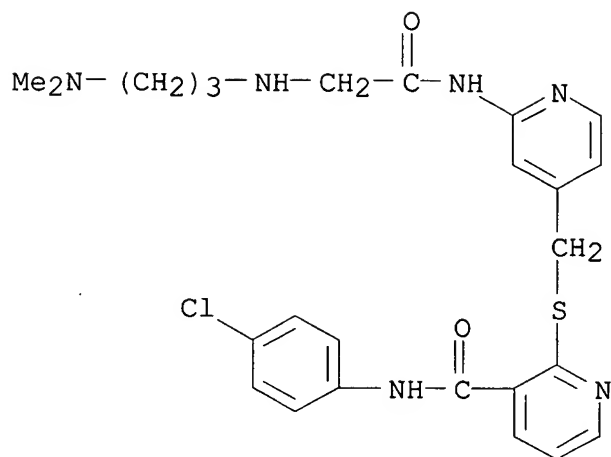


RN 864459-80-3 CAPLUS
 CN 3-Pyridinecarboxamide,
 2-[[[2-[[[2-(acetylamino)ethyl]amino]acetyl]amino]-
 4-pyridinyl]methyl]thio]-N-(4-chlorophenyl)- (9CI) (CA INDEX NAME)



RN 864459-82-5 CAPLUS
 CN 3-Pyridinecarboxamide, N-(4-chlorophenyl)-2-[[[2-[[[3-(dimethylamino)propyl]amino]acetyl]amino]-4-pyridinyl]methyl]thio]-
 (9CI)
 (CA INDEX NAME)

10/587,410

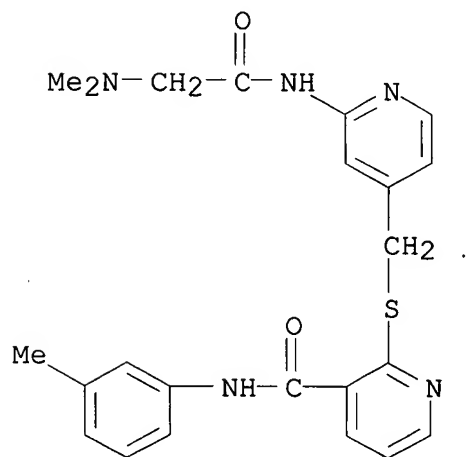


RN 864459-84-7 CAPLUS

CN 3-Pyridinecarboxamide, 2-[[[2-[[2-((dimethylamino)acetyl)amino]-4-pyridinyl]methyl]thio]-N-(3-methylphenyl)-, monohydrochloride (9CI)

(CA

INDEX NAME)



● HCl

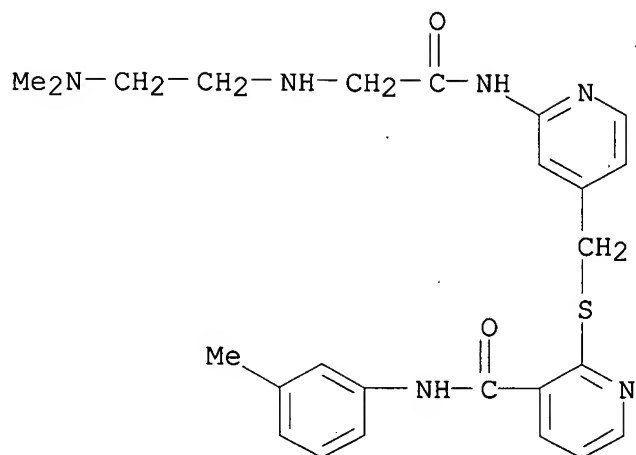
RN 864459-85-8 CAPLUS

CN 3-Pyridinecarboxamide,

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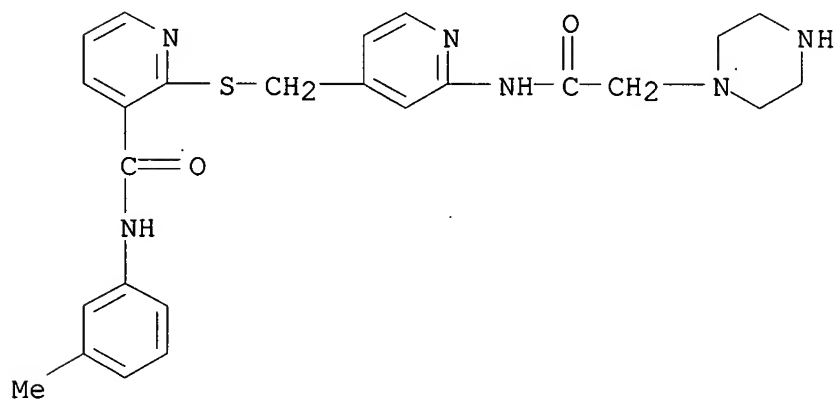
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10/587,410



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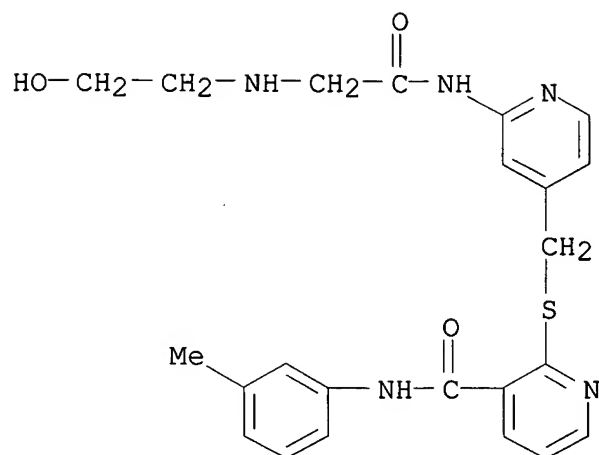
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RN 864459-87-0 CAPLUS

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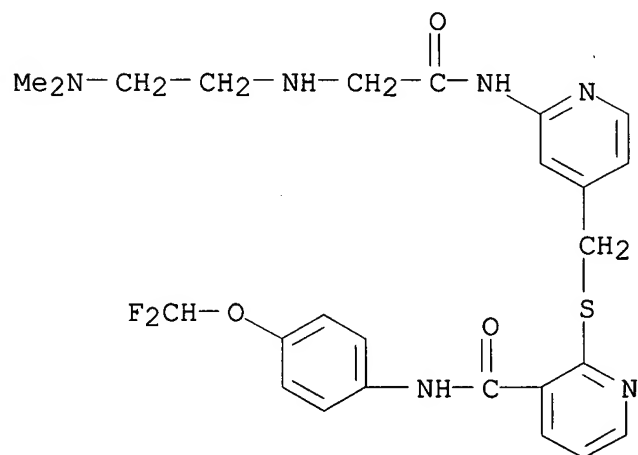
10/587,410



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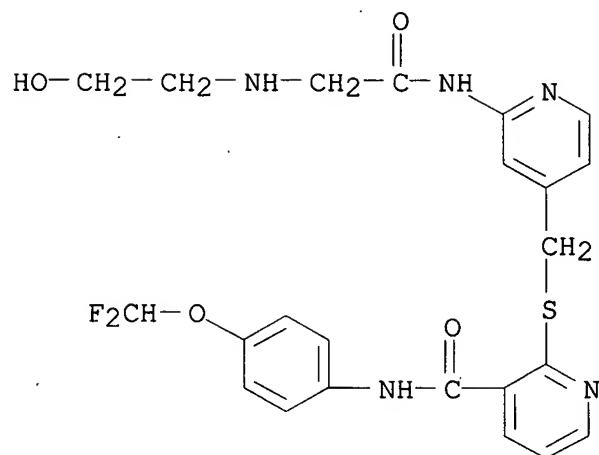
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RN 864459-91-6 CAPLUS

CN 3-Pyridinecarboxamide, N-[4-(difluoromethoxy)phenyl]-2-[[[2-[[[2-(2-hydroxyethyl)amino]acetyl]amino]-4-pyridinyl]methyl]thio]- (9CI) (CA INDEX NAME)

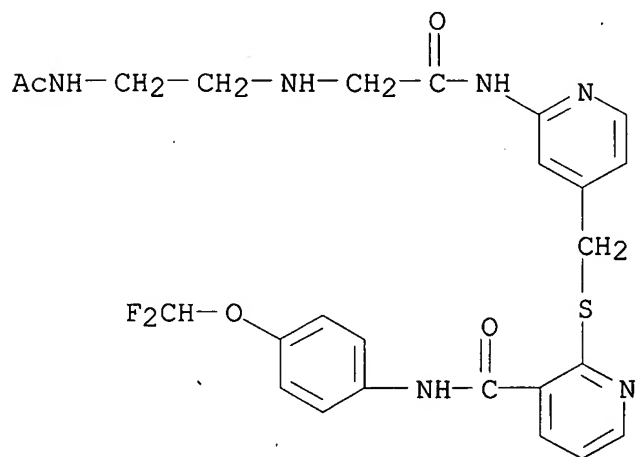
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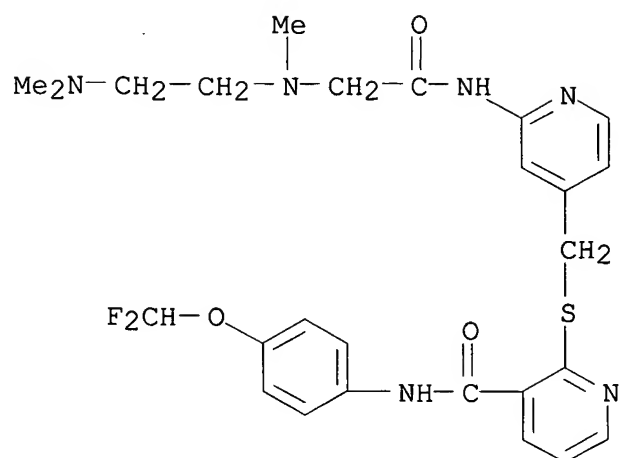
RN      864459-93-8  CAPLUS
CN      3-Pyridinecarboxamide,
2-[[[2-[[[2-(acetylamino)ethyl]amino]acetyl]amino]-
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INDEX
NAME)

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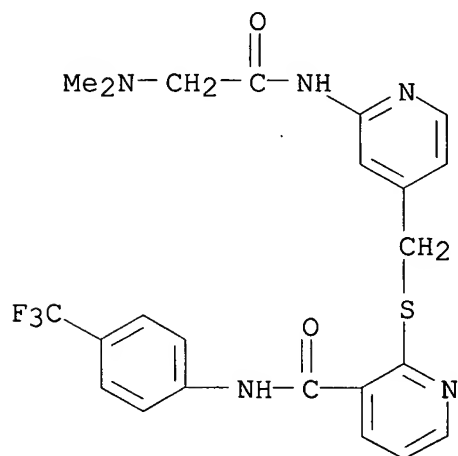
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CN 3-Pyridinecarboxamide, N-[4-(difluoromethoxy)phenyl]-2-[[[2-[[[2-(dimethylamino)ethyl]methylamino]acetyl]amino]-4-pyridinyl]methyl]thio]-
(9CI) (CA INDEX NAME)

10/587,410



RN 864459-97-2 CAPLUS

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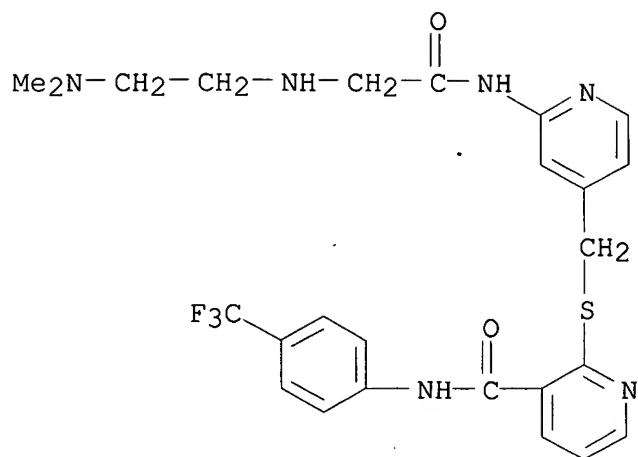
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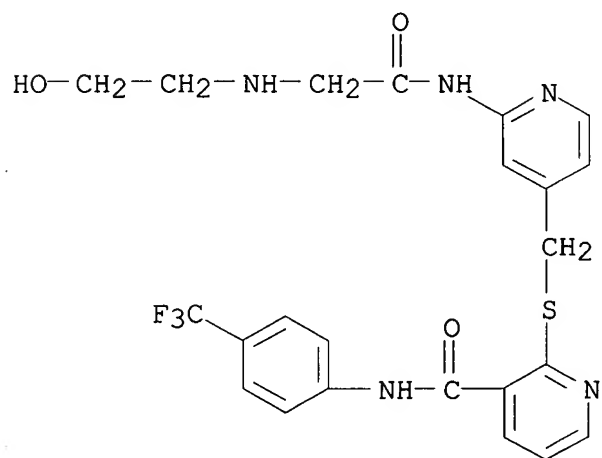
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10/587,410



RN 864460-00-4 CAPLUS

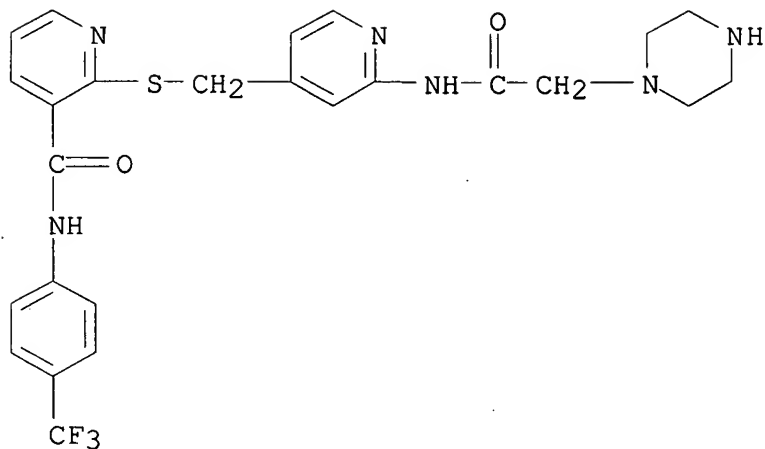
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RN 864460-02-6 CAPLUS

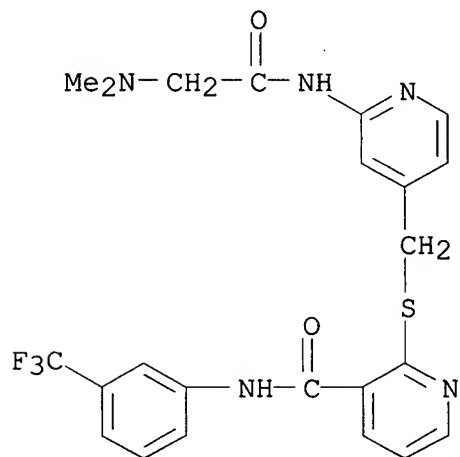
CN 1-Piperazineacetamide,
N-[4-[[[3-[[[4-(trifluoromethyl)phenyl]amino]carbon-yl]-2-pyridinyl]thio]methyl]-2-pyridinyl]- (CA INDEX NAME)

10/587,410



RN 864460-04-8 CAPLUS

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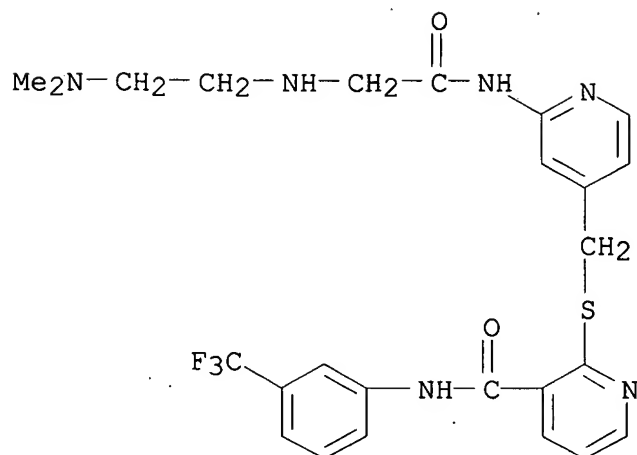
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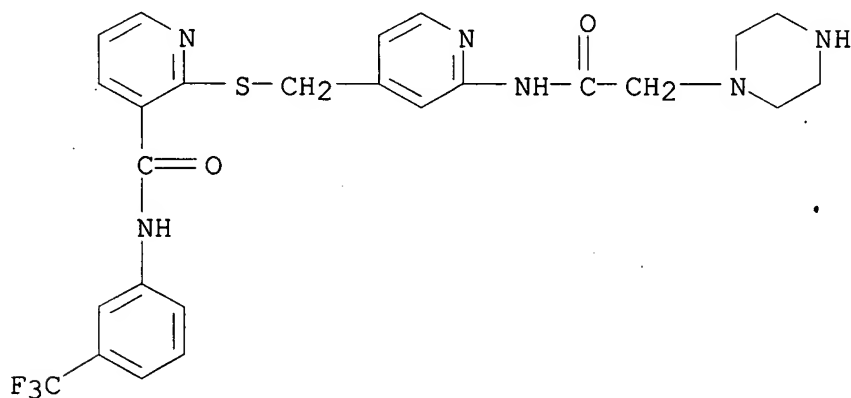
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INDEX NAME)

10/587,410



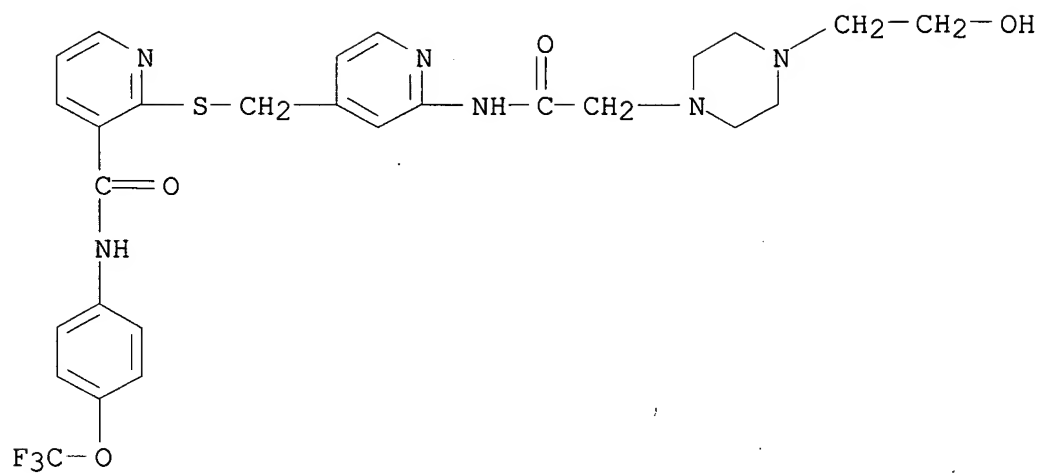
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N-[4-[[[3-[[[3-(trifluoromethyl)phenyl]amino]carbon
yl]-2-pyridinyl]thio]methyl]-2-pyridinyl]-, monohydrochloride (9CI)
(CA INDEX NAME)



● HCl

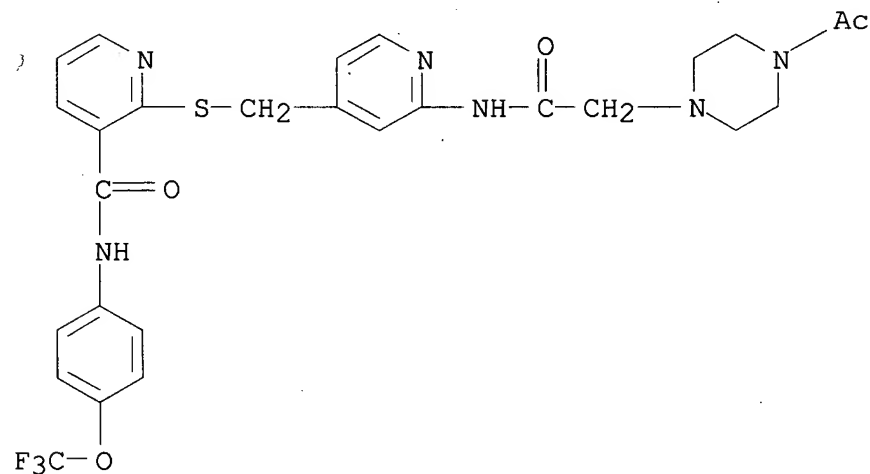
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CN 1-Piperazineacetamide, 4-(2-hydroxyethyl)-N-[4-[[[3-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]- (CA INDEX NAME)

10/587,410



RN 864460-11-7 CAPLUS

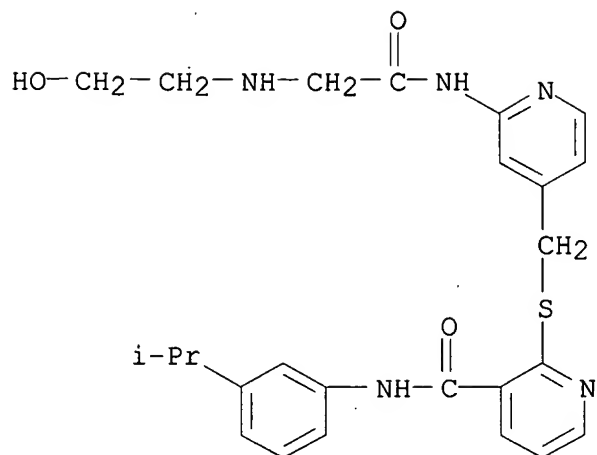
CN 1-Piperazineacetamide, 4-acetyl-N-[4-[[[3-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]- (CA INDEX NAME)



RN 864460-13-9 CAPLUS

CN 3-Pyridinecarboxamide, 2-[[[2-[[[(2-hydroxyethyl)amino]acetyl]amino]-4-pyridinyl]methyl]thio]-N-[3-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)

10/587,410



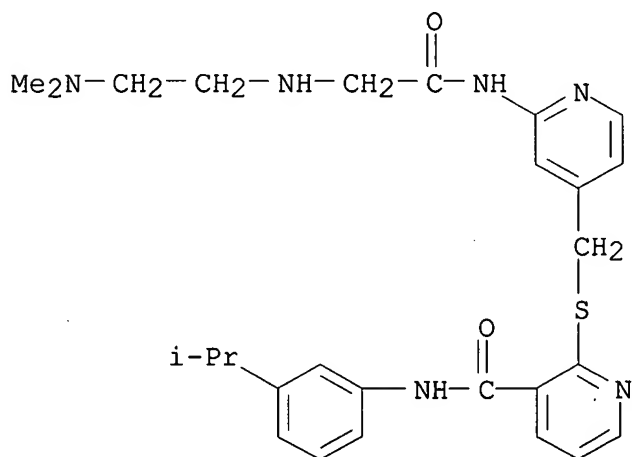
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CN 3-Pyridinecarboxamide,

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INDEX

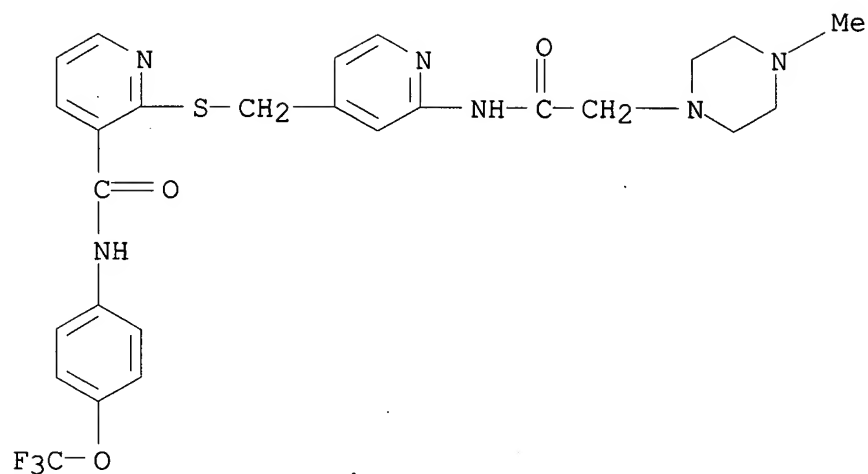
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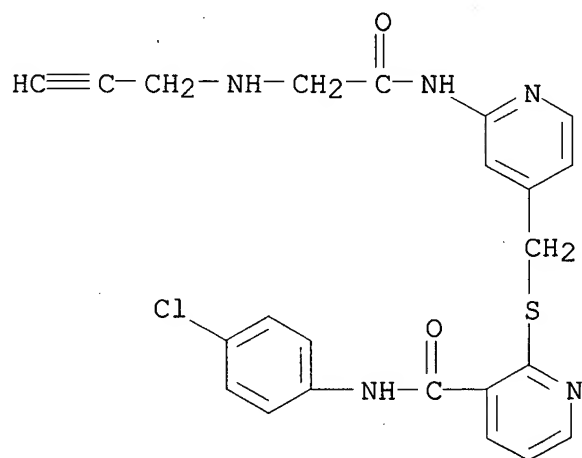
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10/587,410



RN 864460-19-5 CAPLUS

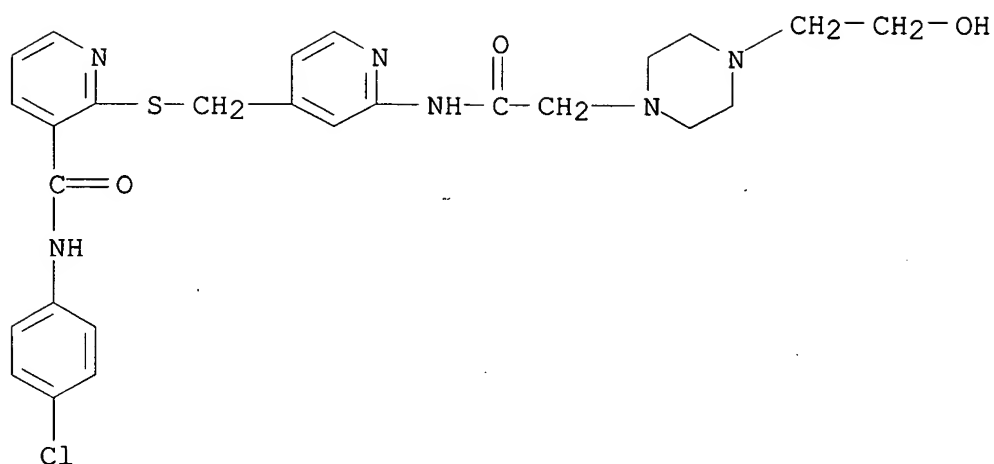
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RN 864460-21-9 CAPLUS

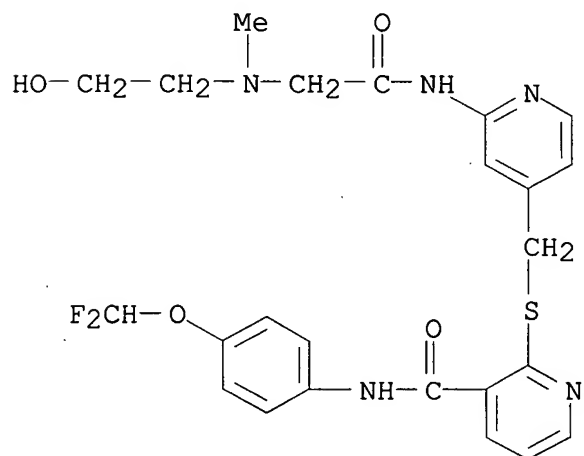
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 NAME)

10/587,410



RN 864460-22-0 CAPLUS

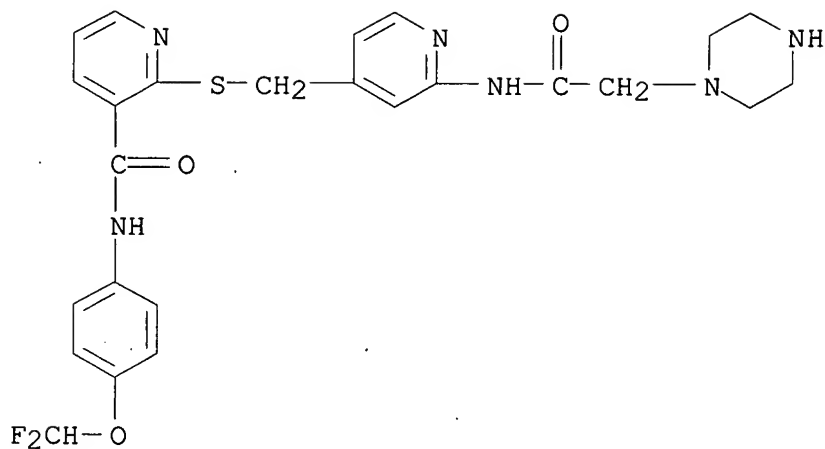
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(CA INDEX NAME)



RN 864460-23-1 CAPLUS

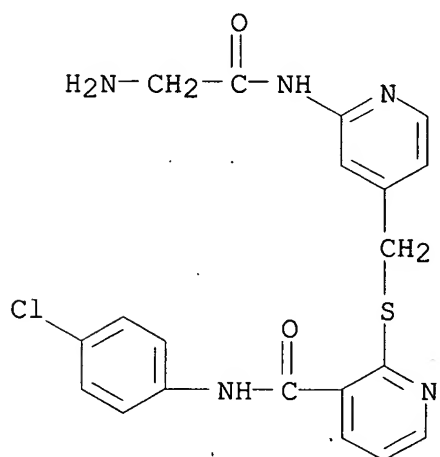
CN 1-Piperazineacetamide,
N-[4-[[[3-[[[4-(difluoromethoxy)phenyl]amino]carbon
yl]-2-pyridinyl]thio]methyl]-2-pyridinyl]- (CA INDEX NAME)

10/587,410



RN 864460-24-2 CAPLUS

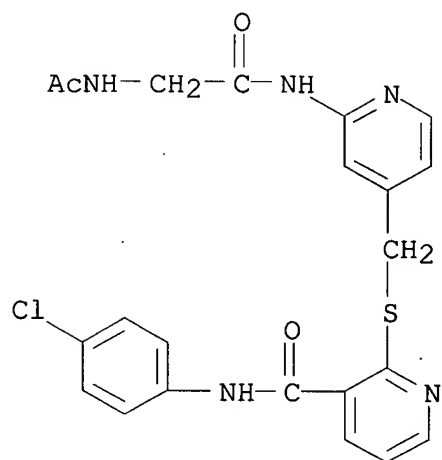
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RN 864460-25-3 CAPLUS

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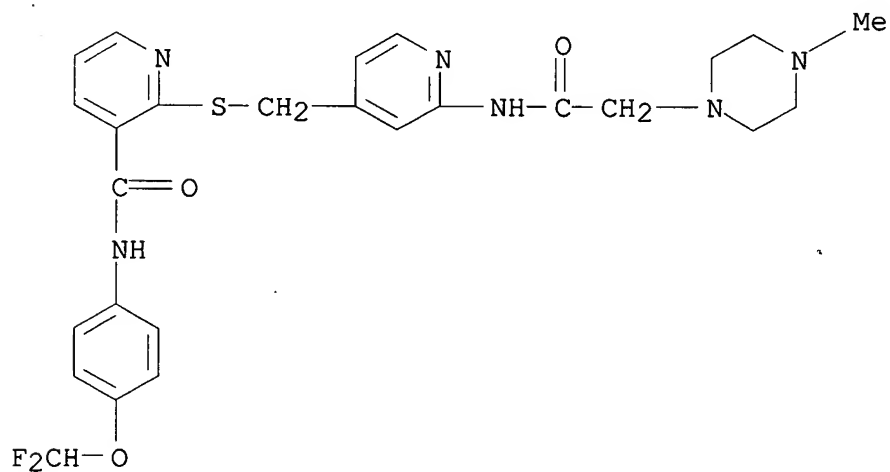
10/587,410



RN 864460-28-6 CAPLUS

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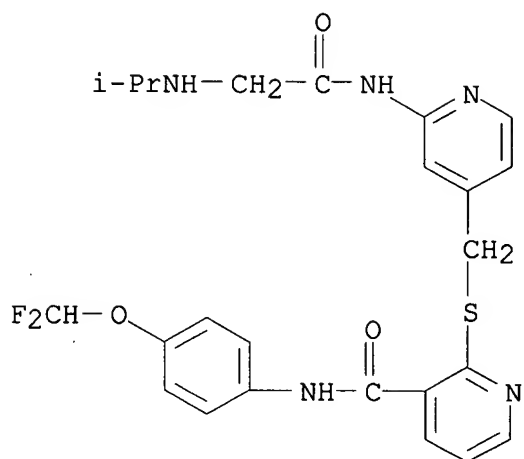
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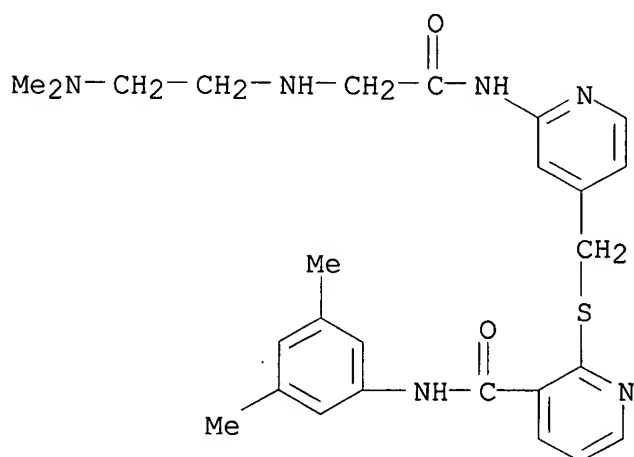
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10/587,410

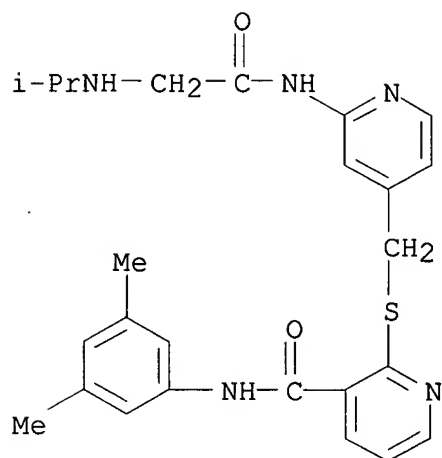


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 NAME)



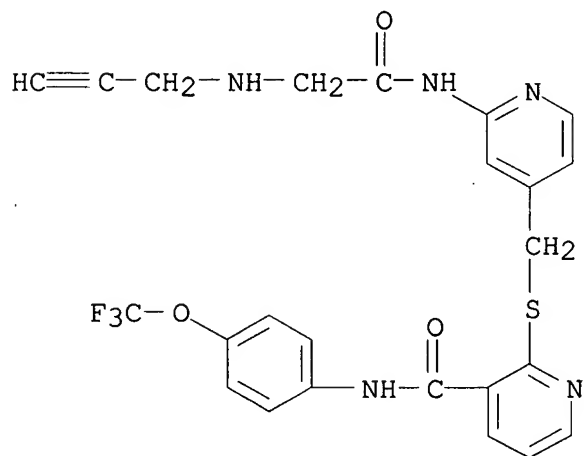
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 INDEX
 NAME)

10/587,410



RN 864460-36-6 CAPLUS

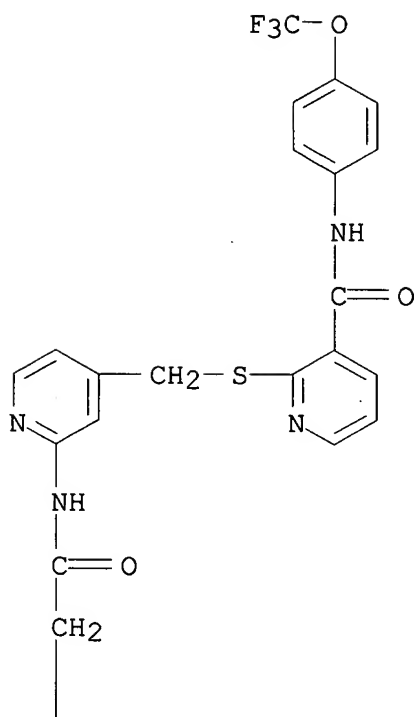
CN 3-Pyridinecarboxamide, 2-[[[2-[[[2-(propynylamino)acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



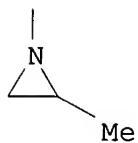
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CN 3-Pyridinecarboxamide, 2-[[[2-[[[2-(methyl-1-aziridinyl)acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

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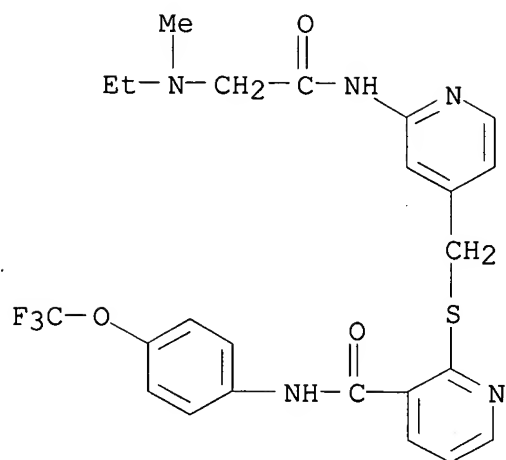


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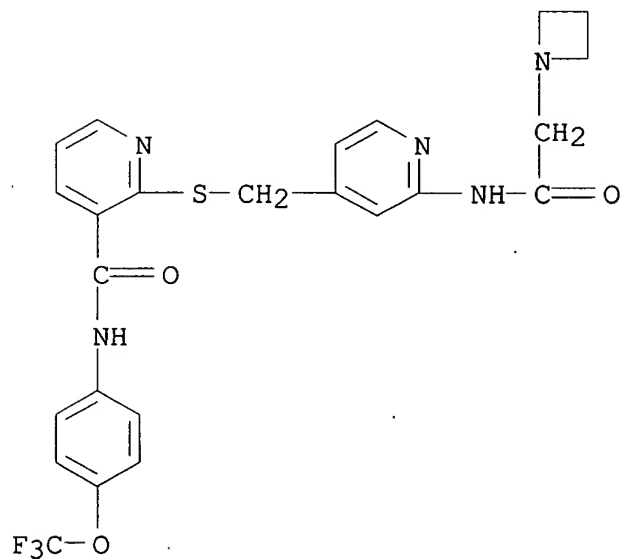
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10/587,410



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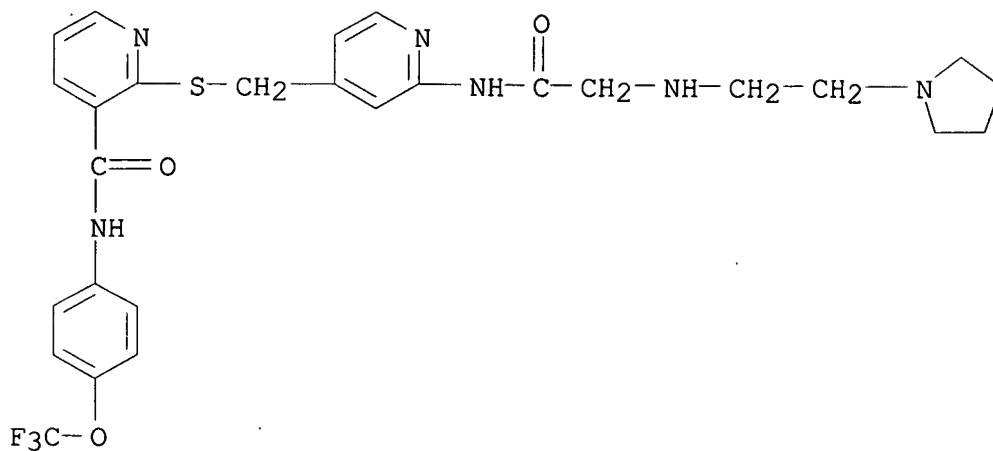
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RN 864460-44-6 CAPLUS

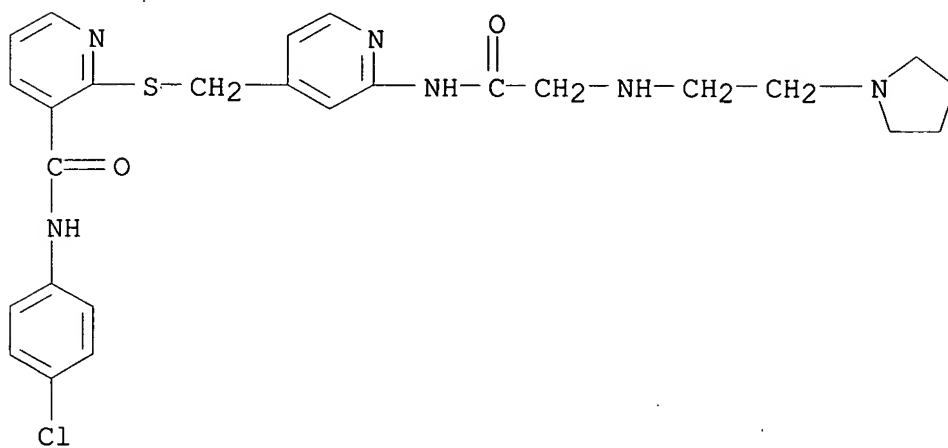
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10/587,410



RN 864460-46-8 CAPLUS

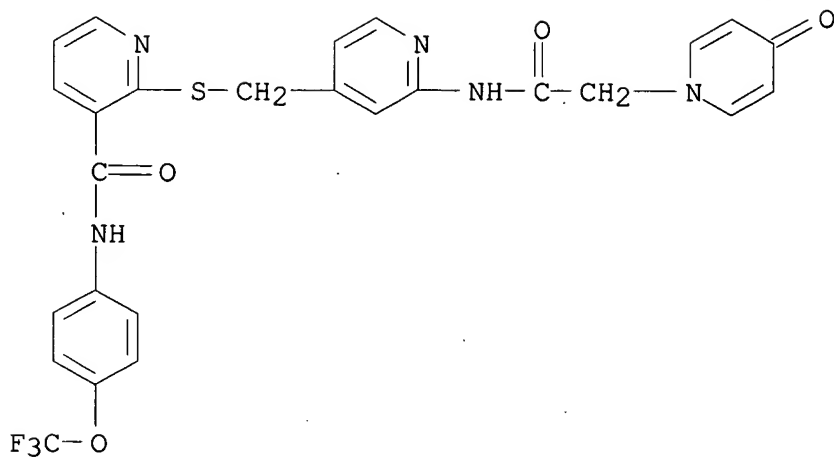
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(CA INDEX NAME)



RN 864460-48-0 CAPLUS

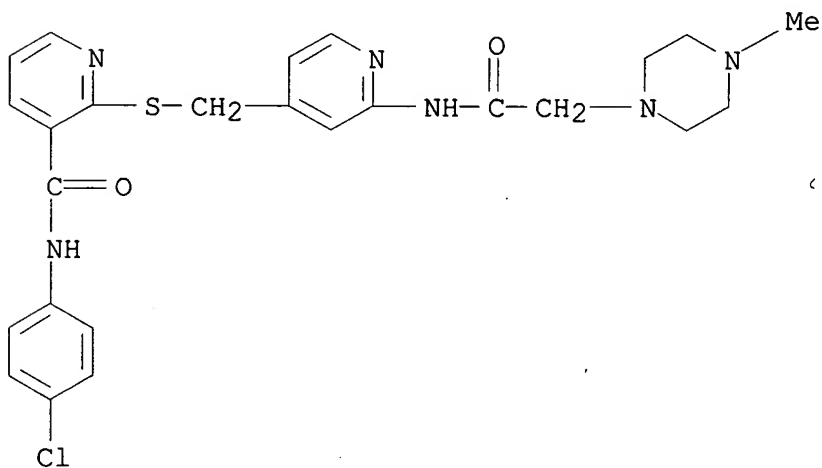
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10/587,410



RN 864460-50-4 CAPLUS

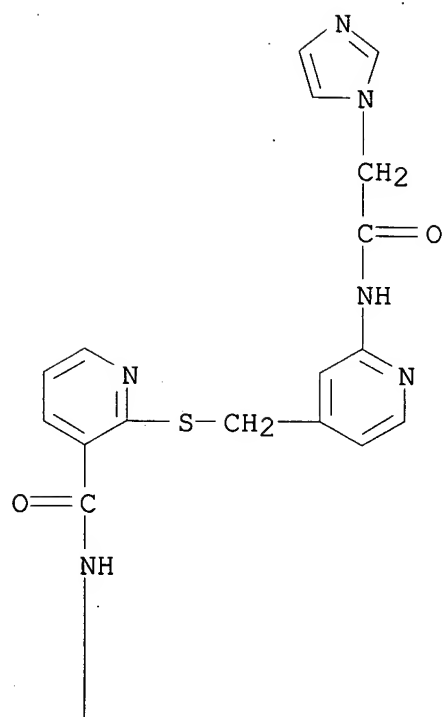
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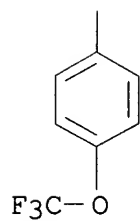
RN 864460-52-6 CAPLUS

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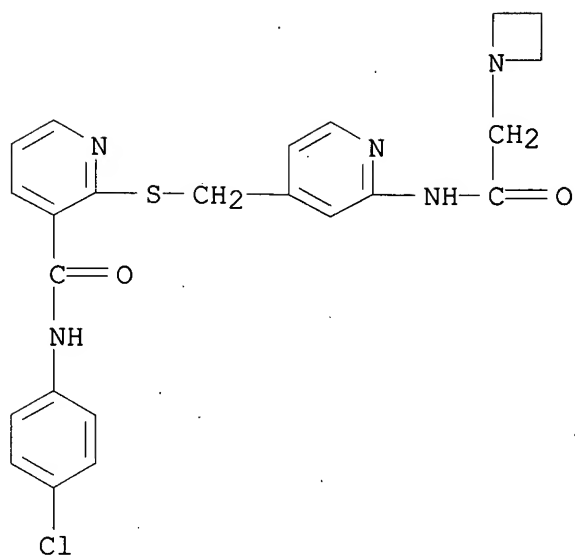


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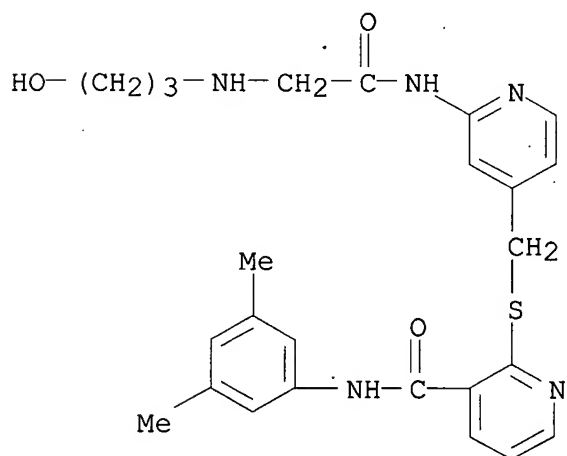
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 CN 3-Pyridinecarboxamide, 2-[[[2-[(1-azetidinylacetyl)amino]-4-pyridinyl]methyl]thio]-N-(4-chlorophenyl)- (9CI) (CA INDEX NAME)

10/587,410



RN 864460-56-0 CAPLUS

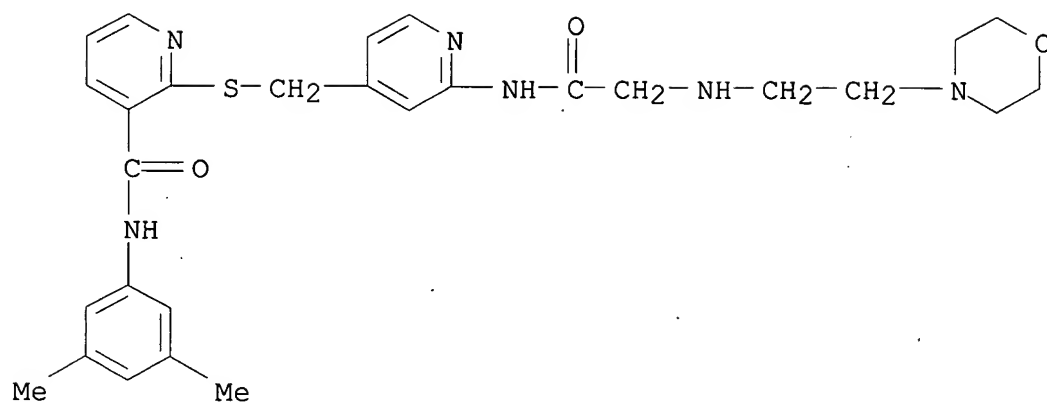
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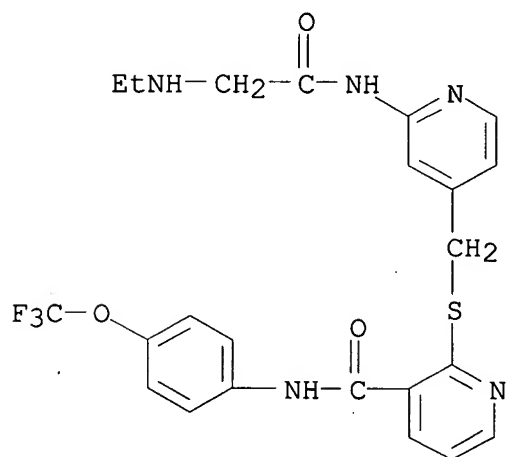
RN 864460-58-2 CAPLUS

CN 3-Pyridinecarboxamide, N-(3,5-dimethylphenyl)-2-[[[2-[[[[2-(4-morpholinyl)ethyl]amino]acetyl]amino]-4-pyridinyl]methyl]thio]- (9CI) (CA INDEX NAME)

10/587,410

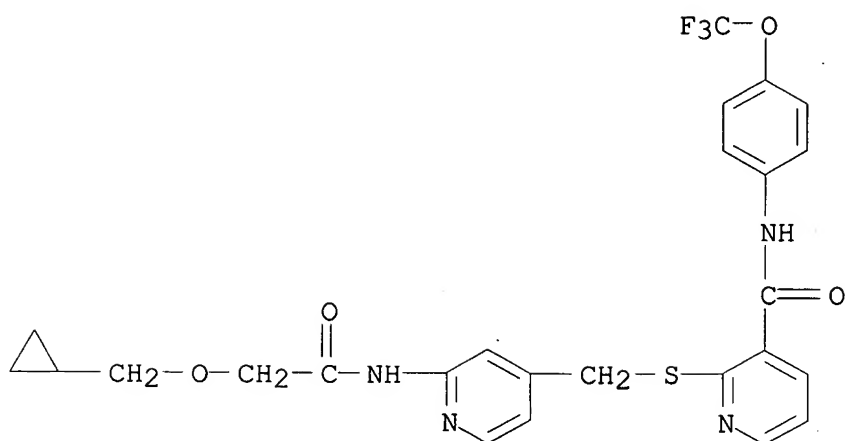


RN 864460-59-3 CAPLUS
 CN 3-Pyridinecarboxamide, 2-[[[2-[[[(ethylamino)acetyl]amino]-4-pyridinyl]methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 864460-61-7 CAPLUS
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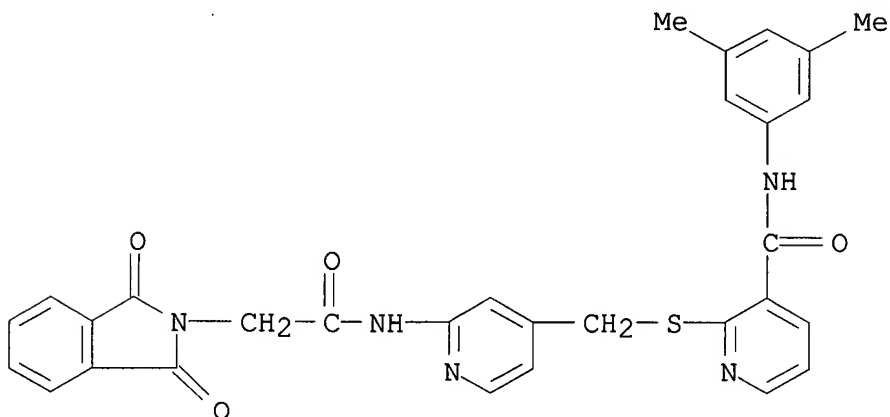
10/587,410



RN 864460-63-9 CAPLUS

CN 2H-Isoindole-2-acetamide,

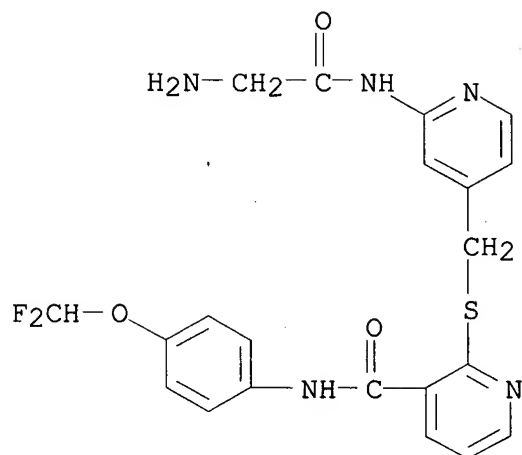
N-[4-[[[3-[[[3,5-dimethylphenyl]amino]carbonyl]-2-pyridinyl]thio]methyl]-2-pyridinyl]-1,3-dihydro-1,3-dioxo- (CA INDEX NAME)



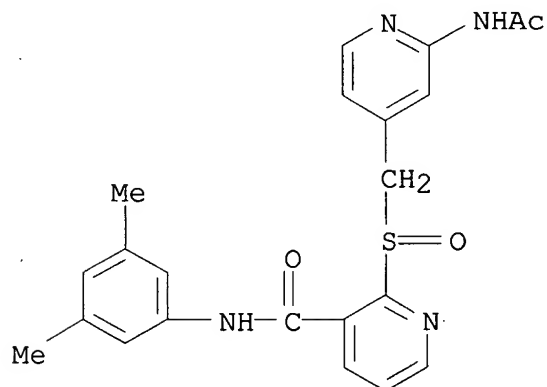
RN 864460-65-1 CAPLUS

CN 3-Pyridinecarboxamide, 2-[[[2-[(aminoacetyl)amino]-4-pyridinyl]methyl]thio]-N-[4-(difluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

10/587,410



RN 864462-42-0 CAPLUS
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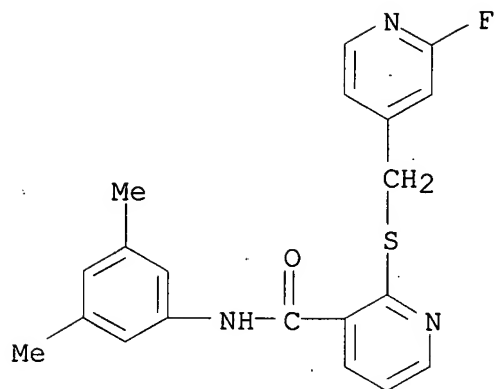


IT 754221-24-4P 754221-25-5P 754221-41-5P
754222-08-7P 864460-77-5P 864460-78-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
RACT

(Reactant or reagent)
(intermediate; preparation of (pyridin-4-ylalkylthio)pyridine
derivs. for
treatment of diseases in which angiogenesis participates)

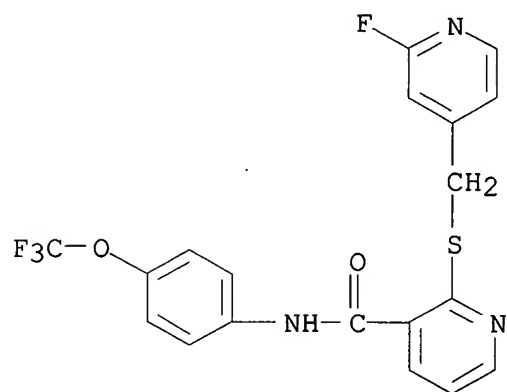
RN 754221-24-4 CAPLUS
CN 3-Pyridinecarboxamide, N-(3,5-dimethylphenyl)-2-[[[2-(4-fluoro-4-
pyridinyl)methyl]thio]- (CA INDEX NAME)

10/587,410



RN 754221-25-5 CAPLUS

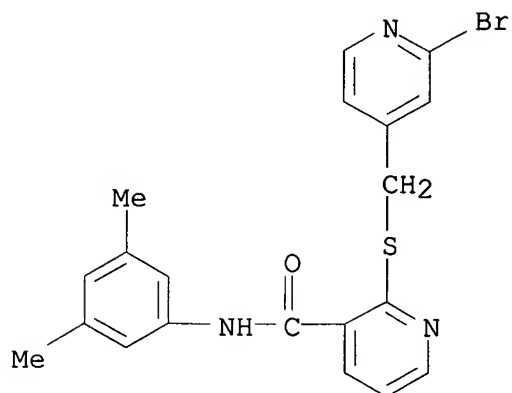
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RN 754221-41-5 CAPLUS

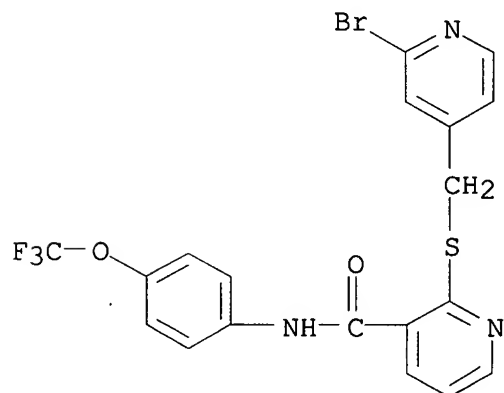
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10/587,410



RN 754222-08-7 CAPLUS

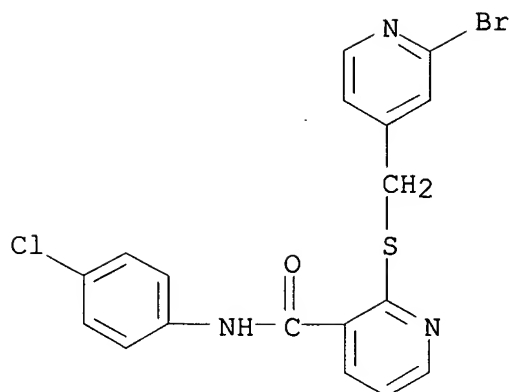
CN 3-Pyridinecarboxamide, 2-[[[(2-bromo-4-pyridinyl)methyl]thio]-N-[4-(trifluoromethoxy)phenyl]- (CA INDEX NAME)



RN 864460-77-5 CAPLUS

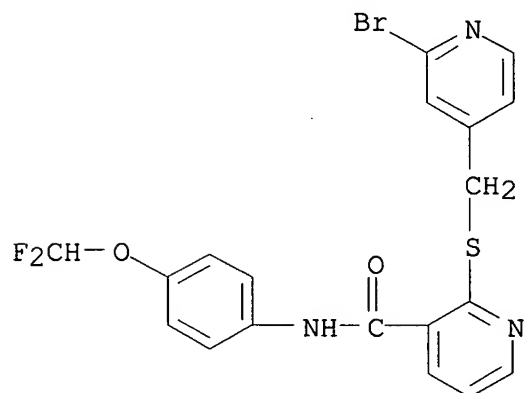
CN 3-Pyridinecarboxamide, 2-[[[(2-bromo-4-pyridinyl)methyl]thio]-N-(4-chlorophenyl)- (CA INDEX NAME)

10/587,410



RN 864460-78-6 CAPLUS

CN 3-Pyridinecarboxamide, 2-[[[(2-bromo-4-pyridinyl)methyl]thio]-N-[4-(difluoromethoxy)phenyl]- (CA INDEX NAME)



L9 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 2004:756691 CAPLUS

DOCUMENT NUMBER: 141:260553

TITLE: Preparation of compounds having 4-pyridylalkylthio group as inhibitors of angiogenesis and vascular permeability

INVENTOR(S): Honda, Takahiro; Tajima, Hisashi; Sasabuchi, Yoshimasa; Kawashima, Kenji; Okamoto, Kazuyoshi; Yamamoto, Minoru; Ban, Masakazu

PATENT ASSIGNEE(S): Santen Pharmaceutical Co. Ltd., Japan

SOURCE: PCT Int. Appl., 350 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

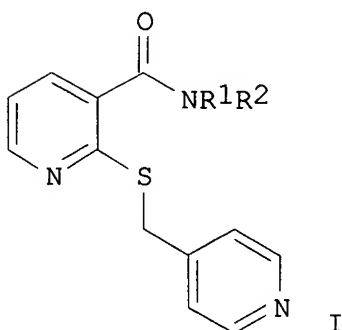
10/587,410

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004078723	A1	20040916	WO 2004-JP2812	20040305
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
JP 2005232149	A	20050902	JP 2004-109503	20040305
EP 1602647	A1	20051207	EP 2004-717833	20040305
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
US 2006194836	A1	20060831	US 2005-548283	20050901
PRIORITY APPLN. INFO.:			JP 2003-62042	A 20030307
			JP 2004-11602	A 20040120
			WO 2004-JP2812	W 20040305

OTHER SOURCE(S): MARPAT 141:260553
GI



AB Title compds. e.g. I (R₁, R₂ = H, alkyl, cycloalkyl, Ph, substituted Ph, heteroaryl, etc.), useful as as inhibitors of angiogenesis and vascular permeability, are prepared Thus, stirring 2-(4-pyridylmethylthio)pyridine-3-carboxylic acid with 4-chloroaniline in DMF in the presence of N,N-diisopropylethylamine and O-(7-azabenzotriazol-1-yl)-N,N,N',N'-

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tetramethyluronium hexafluorophosphate at room temperature for 3 h
gave 91%
N-(4-chlorophenyl)-2-(4-pyridylmethylthio)pyridine-3-carboxamide (II).

II

showed angiogenesis inhibitor activity at 20 µg/mL. Formulations
containing I were given.

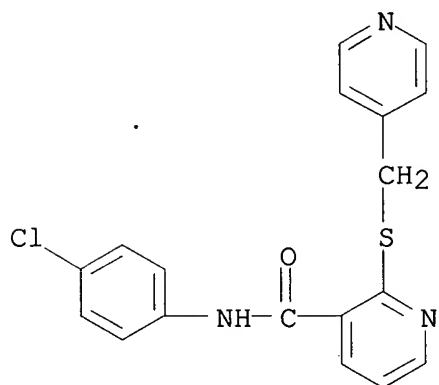
IT 754219-12-0P 754220-17-2P 754221-52-8P
754222-94-1P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic
preparation); THU (Therapeutic use); BIOL (Biological study); PREP
(Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of compds. having 4-pyridylalkylthio group as
inhibitors of
angiogenesis and vascular permeability)

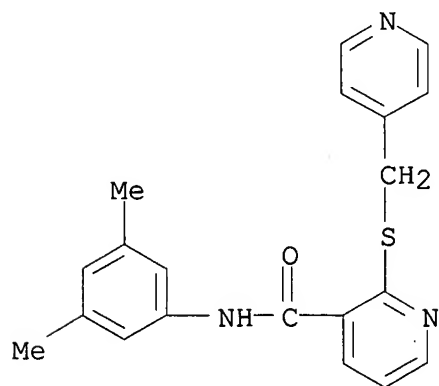
RN 754219-12-0 CAPLUS

CN 3-Pyridinecarboxamide, N-(4-chlorophenyl)-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)



RN 754220-17-2 CAPLUS

CN 3-Pyridinecarboxamide,
N-(3,5-dimethylphenyl)-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)

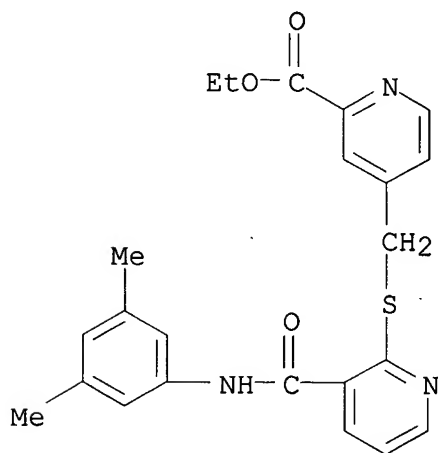


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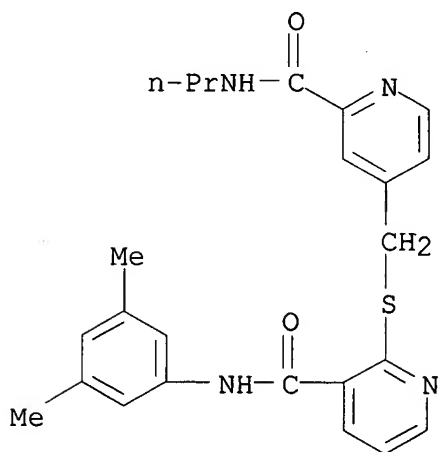
CN 2-Pyridinecarboxylic acid,

4-[[[3-[[[3,5-dimethylphenyl)amino]carbonyl]-2-pyridinyl]thio]methyl]-, ethyl ester (CA INDEX NAME)

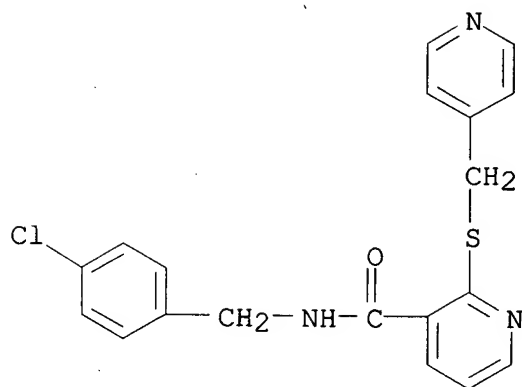


RN 754222-94-1 CAPLUS

CN 2-Pyridinecarboxamide, 4-[[[3-[[[3,5-dimethylphenyl)amino]carbonyl]-2-pyridinyl]thio]methyl]-N-propyl- (9CI) (CA INDEX NAME)

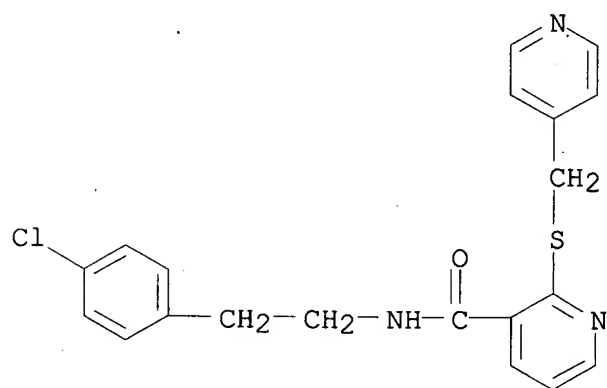


10/587,410



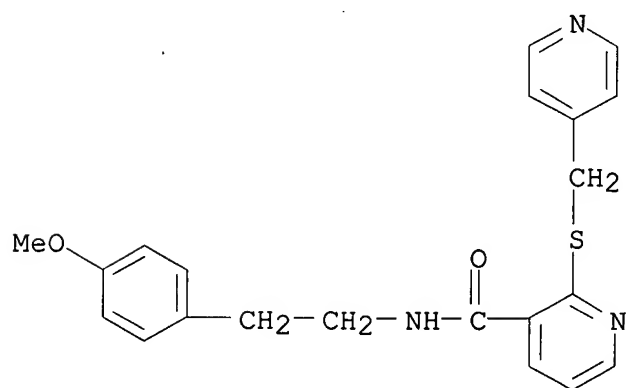
RN 754219-19-7 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-(4-chlorophenyl)ethyl]-2-[(4-pyridinylmethyl)thio]- (CA INDEX NAME)



RN 754219-20-0 CAPLUS

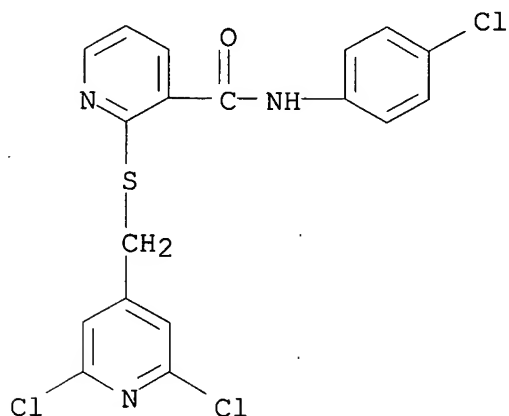
CN 3-Pyridinecarboxamide, N-[2-(4-methoxyphenyl)ethyl]-2-[(4-pyridinylmethyl)thio]- (CA INDEX NAME)



10/587,410

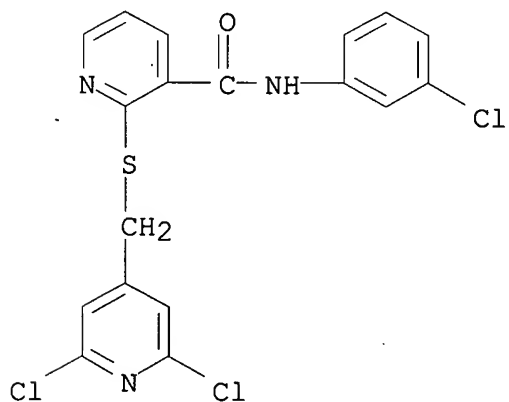
RN 754219-39-1 CAPLUS

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RN 754219-40-4 CAPLUS

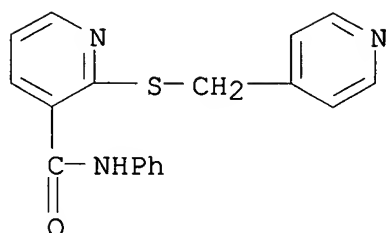
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RN 754219-41-5 CAPLUS

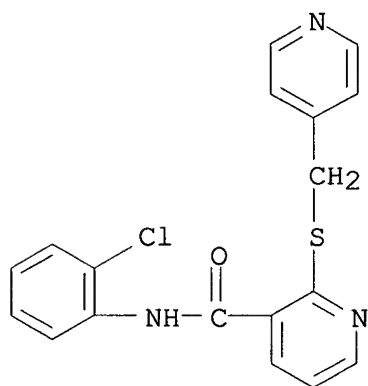
CN 3-Pyridinecarboxamide, N-phenyl-2-[(4-pyridinylmethyl)thio]- (CA INDEX NAME)

10/587,410



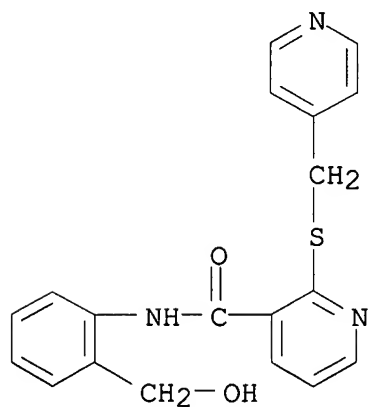
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CN 3-Pyridinecarboxamide, N-(2-chlorophenyl)-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)



RN 754219-43-7 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-(hydroxymethyl)phenyl]-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)

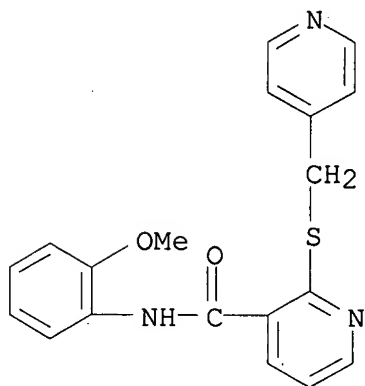


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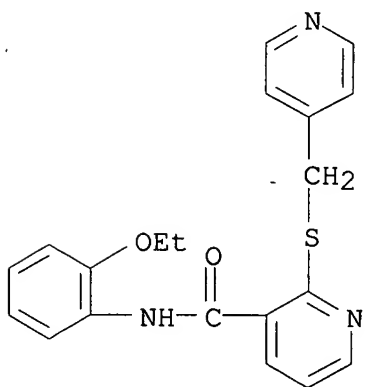
10/587,410

(CA INDEX NAME)



RN 754219-45-9 CAPLUS

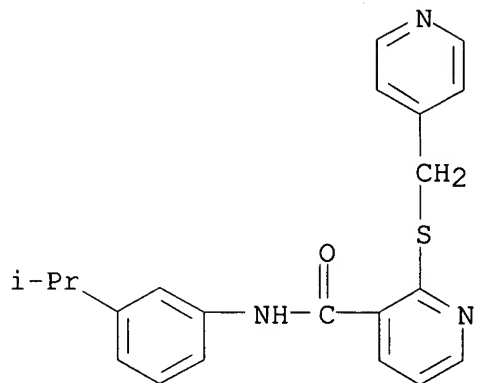
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(CA INDEX NAME)



RN 754219-46-0 CAPLUS

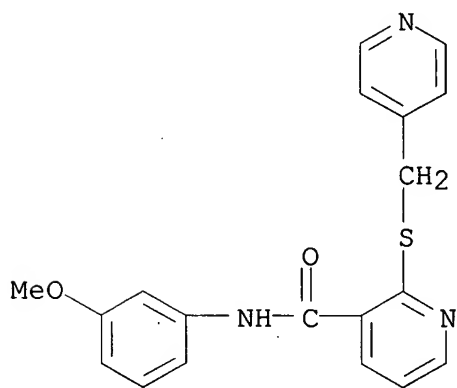
CN 3-Pyridinecarboxamide, N-[3-(1-methylethyl)phenyl]-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)

10/587,410



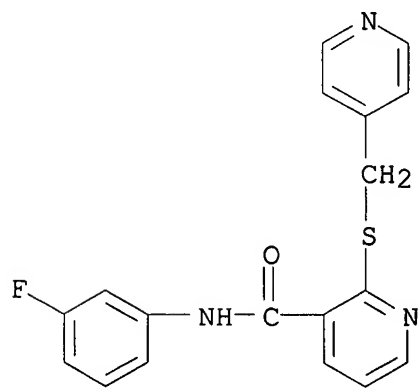
RN 754219-47-1 CAPLUS

CN 3-Pyridinecarboxamide, N-(3-methoxyphenyl)-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)



RN 754219-48-2 CAPLUS

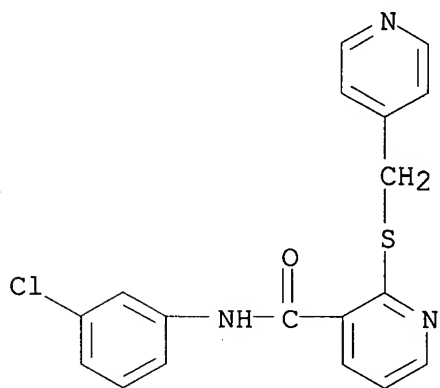
CN 3-Pyridinecarboxamide, N-(3-fluorophenyl)-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)



10/587,410

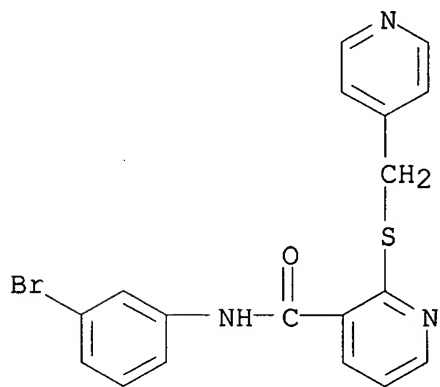
RN 754219-49-3 CAPLUS

CN 3-Pyridinecarboxamide, N-(3-chlorophenyl)-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)



RN 754219-50-6 CAPLUS

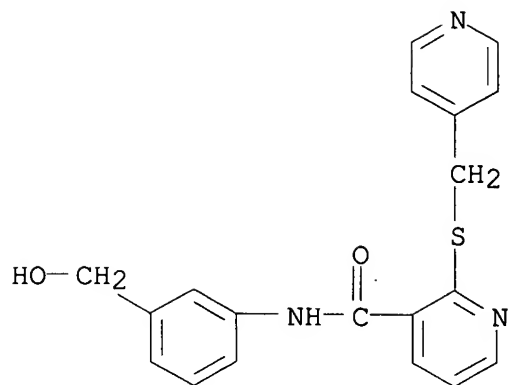
CN 3-Pyridinecarboxamide, N-(3-bromophenyl)-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)



RN 754219-51-7 CAPLUS

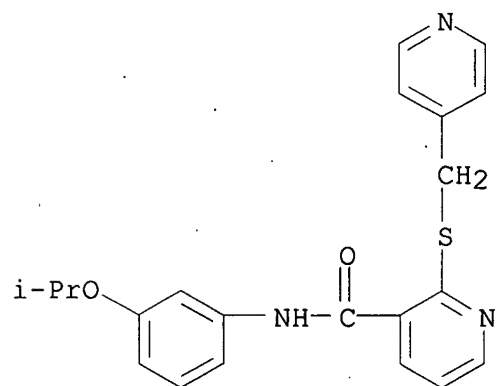
CN 3-Pyridinecarboxamide, N-[3-(hydroxymethyl)phenyl]-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)

10/587,410



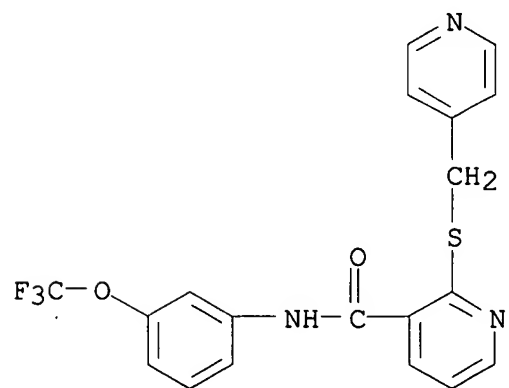
RN 754219-52-8 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(1-methylethoxy)phenyl]-2-[(4-pyridinylmethyl)thio]- (CA INDEX NAME)



RN 754219-53-9 CAPLUS

CN 3-Pyridinecarboxamide, 2-[(4-pyridinylmethyl)thio]-N-[3-(trifluoromethoxy)phenyl]- (CA INDEX NAME)

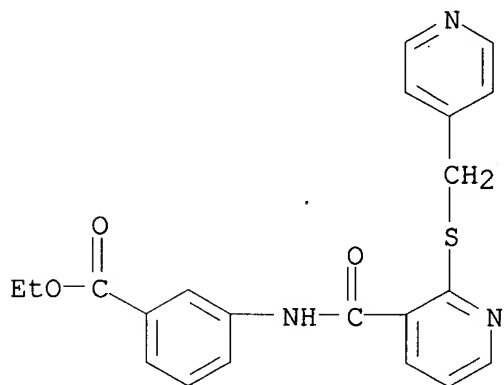


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RN 754219-54-0 CAPLUS

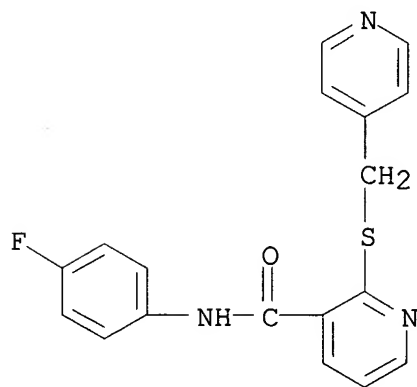
CN Benzoic acid,

3-[[[2-[(4-pyridinylmethyl)thio]-3-pyridinyl]carbonyl]amino]-
, ethyl ester (CA INDEX NAME)



RN 754219-55-1 CAPLUS

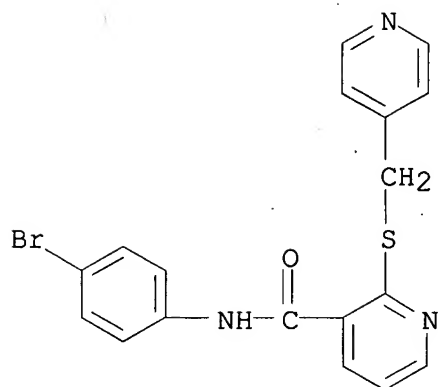
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)



RN 754219-56-2 CAPLUS

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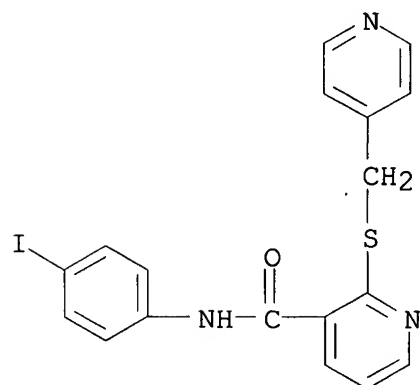
10/587,410



RN 754219-57-3 CAPLUS

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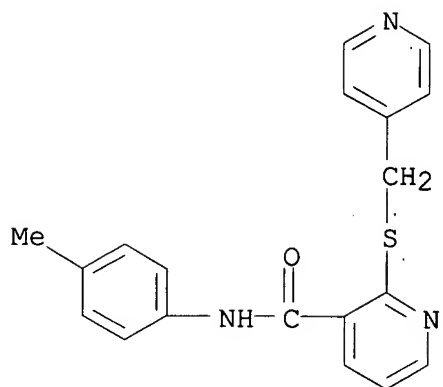
INDEX NAME)



RN 754219-58-4 CAPLUS

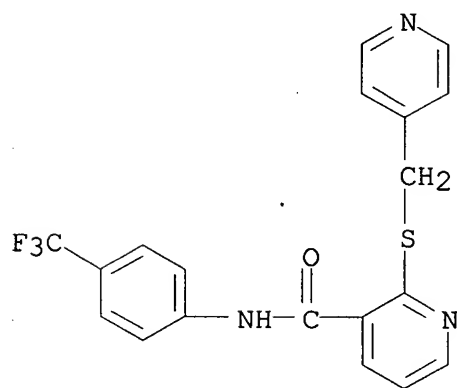
CN 3-Pyridinecarboxamide, N-(4-methylphenyl)-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)

10/587,410



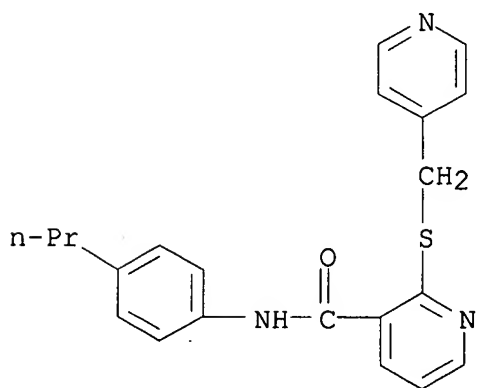
RN 754219-59-5 CAPLUS

CN 3-Pyridinecarboxamide, 2-[(4-pyridinylmethyl)thio]-N-[4-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 754219-60-8 CAPLUS

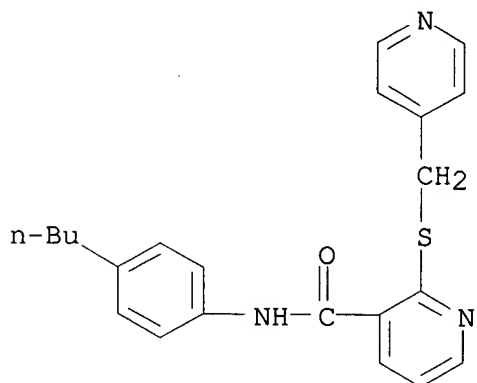
CN 3-Pyridinecarboxamide, N-(4-propylphenyl)-2-[(4-pyridinylmethyl)thio]- (CA INDEX NAME)



10/587,410

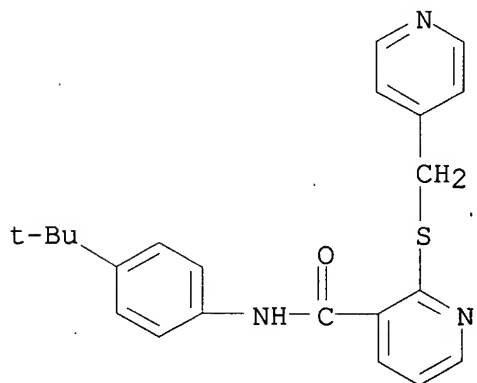
RN 754219-61-9 CAPLUS

CN 3-Pyridinecarboxamide, N-(4-butylphenyl)-2-[(4-pyridinylmethyl)thio]-
(CA INDEX NAME)



RN 754219-62-0 CAPLUS

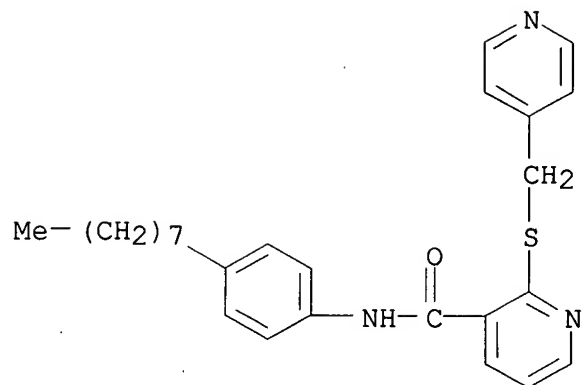
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RN 754219-63-1 CAPLUS

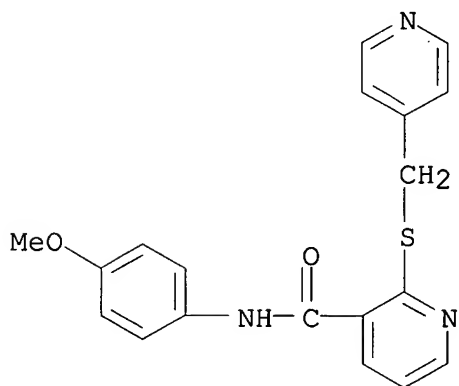
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10/587,410



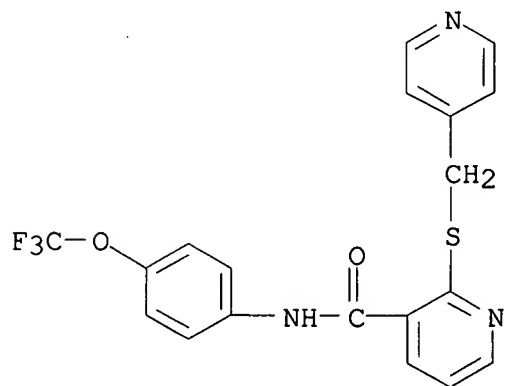
RN 754219-64-2 CAPLUS

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(CA INDEX NAME)



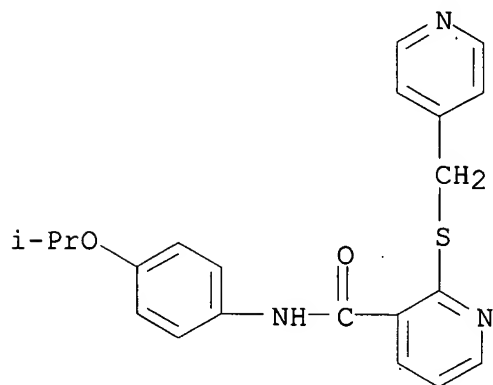
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CN 3-Pyridinecarboxamide, 2-[(4-pyridinylmethyl)thio]-N-[4-(trifluoromethoxy)phenyl]-
(CA INDEX NAME)



10/587,410

RN 754219-66-4 CAPLUS
CN 3-Pyridinecarboxamide, N-[4-(1-methylethoxy)phenyl]-2-[(4-pyridinylmethyl)thio]- (CA INDEX NAME)



RN 754219-67-5 CAPLUS
CN 3-Pyridinecarboxamide, N-(4-butoxyphenyl)-2-[(4-pyridinylmethyl)thio]- (CA INDEX NAME)

L9 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:487274 CAPLUS
DOCUMENT NUMBER: 131:116520
TITLE: Preparation of phenylalanine derivatives as pharmaceutical agents
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PATENT ASSIGNEE(S): Celltech Therapeutics Limited, UK
SOURCE: PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9937618	A1	19990729	WO 1999-GB279	19990127
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,				

	CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
US 6329372	B1	20011211	US 1999-237060 19990126
AU 9924320	A	19990809	AU 1999-24320 19990127
EP 1051399	A1	20001115	EP 1999-903798 19990127
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
JP 2002501051	T	20020115	JP 2000-528542 19990127
US 2002035127	A1	20020321	US 2001-964161 20010926
PRIORITY APPLN. INFO.:			GB 1998-1674 A 19980127
			GB 1998-26669 A 19981203
			US 1999-237060 A1 19990126
			WO 1999-GB279 W 19990127

OTHER SOURCE(S): MARPAT 131:116520

AB Phenylalanine derivs. 4-[R1(Alk1)rL1s]C6H2RaRb(Alk2)mCHRR2NR3COHet [R is a

carboxylic acid or derivative; R1 = H, OH, alkoxy or optionally substituted cycloaliph., polycycloaliph., heterocycloaliph., polyheterocycloaliph., arom, or heteroarom. group; Alk1 = optionally substituted aliphatic or heteroaliph. chain; L1 is a linker atom or group; r, s = 0, 1; Ra, Rb = -L2(CH2)pL3Rcq, where L2, L3 = a covalent bond or linker atom or group; p

= 0, 1; q = 1-3; Rc = H, halo, alkyl, OH, alkoxy, etc.; Alk2 = alkylene; m

= 0, 1; R2 = H, Me; R3 = H, alkyl; Het is an optionally substituted heteroarom. group] and their salts, solvates, hydrates and N-oxides were

prepared as pharmaceutical agents. Thus,

N-(2-chloronicotinoyl)-N'-(3,5-dichloro-4-picolyl)-L-4-aminophenylalanine was prepared by coupling reaction

of N-(3,5-dichloro-4-picolyl)-L-4-aminophenylalanine Me ester with 2-chloronicotinoyl chloride followed by ester hydrolysis. Title compds.

were tested for inhibition of integrin-dependent cell adhesion and generally have IC50 values in the $\alpha 4\beta 1$ and $\alpha 4\beta 7$ assays of 1 μ M and below.

IT 232617-63-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of phenylalanine derivs. as pharmaceutical agents)

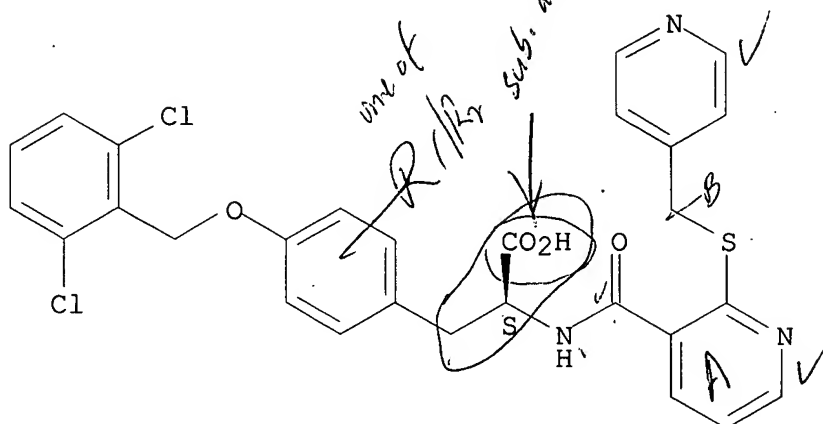
RN 232617-63-9 CAPLUS

CN L-Tyrosine,

O-[(2,6-dichlorophenyl)methyl]-N-[[2-[(4-pyridinylmethyl)thio]-3-pyridinyl]carbonyl]- (CA INDEX NAME)

10/587,410

Absolute stereochemistry.



IT 232617-29-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT

(Reactant or reagent)

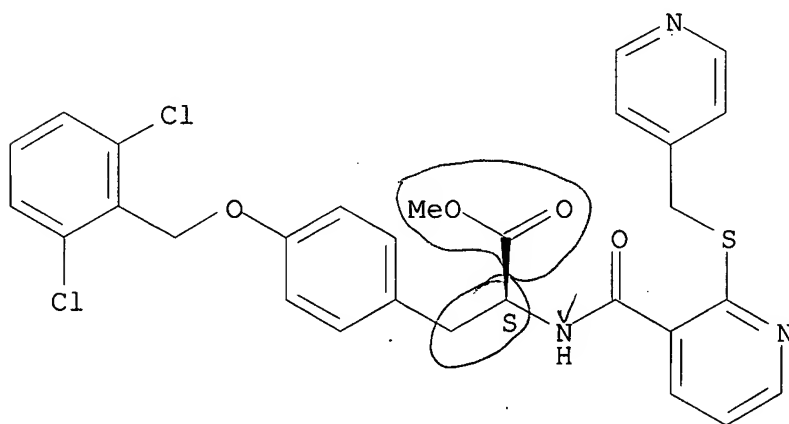
(preparation of phenylalanine derivs. as pharmaceutical agents)

RN 232617-29-7 CAPLUS

CN L-Tyrosine,

O-[(2,6-dichlorophenyl)methyl]-N-[[2-[(4-pyridinylmethyl)thio]-3-pyridinyl]carbonyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.



IC ICM C07D213-82

ICS C07D213-81; C07D207-40; C07D209-42; C07D241-24; C07D277-56;
C07D231-14; C07D215-50; C07D401-12; C07D409-12; A61K031-44

CC 34-2 (Amino Acids, Peptides, and Proteins)

Section cross-reference(s): 1

(prepn. of phenylalanine derivs. as pharmaceutical agents)

10/587,410

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
18.87	377.18

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-2.40	-2.40

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